

CHHIARKAWP
BU THUMNA

CHHARKAWP BU THUMNA

By
Thanthuama B.A, B T
Inspector of Schools

3th Edition

Printed and Published by
The ZIKI Printing Press, Kulikawn Aizawl Mizoram
1973

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THUHMABRUAI

Tân hma lam sawng kha chuan Primary zirlai atân Ohharkawp Bu pathum (Bu khatna, Bu hnihna Bu thumna) obauh kan nei a Amaherawhchu Kum ina Text Book Committee chuan tha tâwk lovin a hria a Pawl hrang hrang tân bu hrang theuh rôl (inhman tâwm tawh lova) buatsaih târa min tirh angin ka han siam fan a Zirtirtu len naupangte tân pawh a remchan tâwk hle tawh ka be sei

He ohharkawp bu hi a tha tâwk lovin a famkina tâwk lo viaw pawh a ni mai thei a chuang'in tupawh in a that zâwkna dân tur rawtnate min han neihpu theih chuan min han briettir thei ula ka lâwm ngawt ang

He ohharkawp Bu thumna hi Zoram zirnaia hmasâwn zêl nâna a tangkaipul ka beisei

Dated Aizawl,
The 1st August 1956

Thanthuama

CLASS III.

SYLLABUS- Text Book Chbiarkawp Bu thumna
a pumia.

An zir tawhte ennawn leh ni sela Chan
tir, Unitary Method, (Rule of Three)
Year Month Week, Day, Hour Second
dân li hmangin Problem awl deuh tih tir
tur a ni Fraction awmzia briat chiantir
tur a ni Bill siam dan nen Roman
Number 1—100 thlang zirtir tel tur a ni
Tebna leh bûkna (metric system) thil
rau zawng tebna, (measurement of area)
mayl te te zirtir bawh tur a ni

ROMAN NUMBER

Number ziaak dan chi hnh a awm a chng chu
ARABIC NUMBER leh ROMAN NUMBER a ni

ARABIC NUMBER Hei hi chu kan hman lau zâwk
1, 2, 3 hi a ni Hetah hi chuan kan briat tawh angin
chhinchhiabna sawm a awm a

ROMAN NUMBER Roman Number ah hi chuan
chhinchhiabna 7 chauh a awm a chng chu—I V X
L C D M a ni

Hng number chi hnhite awmna leh a ntluk dân
chu hetiang a ni

1=I	11=XI	30=XXX	400=CD
2=II	12=XII	40=XL	500=D
3=III	13=XIII	50=L	600=DC
4=IV	14=XIV	60=LX	700=DCC
5=V	15=XV	70=LXX	800=DCCC
6=VI	16=XVI	80=LXXX	900=CM
7=VII	17=XVII	90=XC	1000=M
8=VIII	18=XVIII	100=C	1400=MCD
9=IX	19=XIX	200=CC	1900=MCM
10=X	20=XX	300=CCC	2000=MM

TIHTUR I

A

Heng hi an tlukpu: number (Arabic Number) z ak
obhuak rawh —

(Rulru ohhiarkawp tih zet tûr)

1	III	6	VIII	11	XXXII	16	CXXXIV
2	VI	7	XIX	12	LXXX	17	LXVII
3	IX	8	L	13	CIX	18	XLIX
4	XII	9	XL	14	CCL	19	LXXV
5	IV	10	LII	15	XVIII	20	LXIX

AW

Heng a tlukpu: (Roman number) siak obhuak
rawh —

1	21	6	34	11	110	16	166
2	14	7	27	12	125	17	205
3	32	8	54	13	231	18	182
4	18	9	62	14	194	19	99
5	48	10	76	15	147	20	158

CHHARAWP BU CHUMNA

TIHTUR, III

PAIH

Paib rawh —

1	647	2	898	3	974	4	804
	242		350		824		303
5	7458	6	6475	7	6742	8	4697
	3249		3246		4813		2949
9	8944	10	6544	11	5376	12	9746
	3567		3165		2077		3548
13	6547	14	5432	15	8674	16	8949
	1418		3036		3673		3757
17	6676	18	4763	19	6405	20	8074
	3543		3847		3765		3507
21	6607	22	8045	23	7050	24	8040
	3566		3706		3504		3570
25	81766-36794			27	6544--574		
26	88976-9636			28	9070--457		
27	99747-33548			29	45064--34516		
28	6704-3507			30	80000--37		
29	94000-7306			31	45064--7976		
30	71609-3574			32	8325--2459		
31	35480-4479			33	6000--5374		

MULTIPLICATION TABLE

2	3	4	5	6	7	8	9
1-2	1-3	1-4	1-5	1-6	1-7	1-8	1-9
2-4	2-6	2-8	2-10	2-12	2-14	2-16	2-18
3-6	3-9	3-12	3-15	3-18	3-21	3-24	3-27
4-8	4-12	4-16	4-20	4-24	4-28	4-32	4-36
5-10	5-15	5-20	5-25	5-30	5-35	5-40	5-45
6-12	6-18	6-24	6-30	6-36	6-42	6-48	6-54
7-14	7-21	7-28	7-35	7-42	7-49	7-56	7-63
8-16	8-24	8-32	8-40	8-48	8-56	8-64	8-72
9-18	9-27	9-36	9-45	9-54	9-63	9-72	9-81
10-20	10-30	10-40	10-50	10-60	10-70	10-80	10-90
11-22	11-33	11-44	11-55	11-66	11-77	11-88	11-99
12-24	12-36	12-48	12-60	12-72	12-84	12-96	12-108
13-26	13-39	13-52	13-65	13-78	13-91	13-104	13-117
14-28	14-42	14-56	14-70	14-84	14-98	14-112	14-126
15-30	15-45	15-60	15-75	15-90	15-105	15-120	15-135
16-32	16-48	16-64	16-80	16-96	16-112	16-128	16-144
10	11	12	13	14	15	16	
1-10	1-11	1-12	1-13	1-14	1-15	1-16	
2-20	2-22	2-24	2-26	2-28	2-30	2-32	
3-30	3-33	3-36	3-39	3-42	3-45	3-48	
4-40	4-44	4-48	4-52	4-56	4-60	4-64	
5-50	5-55	5-60	5-65	5-70	5-75	5-80	
6-60	6-66	6-72	6-78	6-84	6-90	6-96	
7-70	7-77	7-84	7-91	7-98	7-105	7-112	
8-80	8-88	8-96	8-104	8-112	8-120	8-128	
9-90	9-99	9-108	9-117	9-126	9-135	9-144	
10-100	10-110	10-120	10-130	10-140	10-150	10-160	
11-110	11-121	11-132	11-143	11-154	11-165	11-176	
12-120	12-132	12-144	12-156	12-168	12-180	12-192	
13-130	13-143	13-156	13-169	13-182	13-195	13-208	
14-140	14-154	14-168	14-182	14-196	14-210	14-224	
15-150	15-165	15-180	15-195	15-210	15-225	15-240	
16-160	16-176	16-192	16-208	16-224	16-240	16-256	

8 CHHIARKAWP BU THUMNA

$1 \times 1 = 1$	$2 \times 1 = 2$	$3 \times 1 = 3$	$4 \times 1 = 4$
$1 \times 2 = 2$	$2 \times 2 = 4$	$3 \times 2 = 6$	$4 \times 2 = 8$
$1 \times 3 = 3$	$2 \times 3 = 6$	$3 \times 3 = 9$	$4 \times 3 = 12$
$1 \times 4 = 4$	$2 \times 4 = 8$	$3 \times 4 = 12$	$4 \times 4 = 16$
$1 \times 5 = 5$	$2 \times 5 = 10$	$3 \times 5 = 15$	$4 \times 5 = 20$
$1 \times 6 = 6$	$2 \times 6 = 12$	$3 \times 6 = 18$	$4 \times 6 = 24$
$1 \times 7 = 7$	$2 \times 7 = 14$	$3 \times 7 = 21$	$4 \times 7 = 28$
$1 \times 8 = 8$	$2 \times 8 = 16$	$3 \times 8 = 24$	$4 \times 8 = 32$
$1 \times 9 = 9$	$2 \times 9 = 18$	$3 \times 9 = 27$	$4 \times 9 = 36$
$1 \times 10 = 10$	$2 \times 10 = 20$	$3 \times 10 = 30$	$4 \times 10 = 40$
$1 \times 11 = 11$	$2 \times 11 = 22$	$3 \times 11 = 33$	$4 \times 11 = 44$
$1 \times 12 = 12$	$2 \times 12 = 24$	$3 \times 12 = 36$	$4 \times 12 = 48$

$5 \times 1 = 5$	$6 \times 1 = 6$	$7 \times 1 = 7$	$8 \times 1 = 8$
$5 \times 2 = 10$	$6 \times 2 = 12$	$7 \times 2 = 14$	$8 \times 2 = 16$
$5 \times 3 = 15$	$6 \times 3 = 18$	$7 \times 3 = 21$	$8 \times 3 = 24$
$5 \times 4 = 20$	$6 \times 4 = 24$	$7 \times 4 = 28$	$8 \times 4 = 32$
$5 \times 5 = 25$	$6 \times 5 = 30$	$7 \times 5 = 35$	$8 \times 5 = 40$
$5 \times 6 = 30$	$6 \times 6 = 36$	$7 \times 6 = 42$	$8 \times 6 = 48$
$5 \times 7 = 35$	$6 \times 7 = 42$	$7 \times 7 = 49$	$8 \times 7 = 56$
$5 \times 8 = 40$	$6 \times 8 = 48$	$7 \times 8 = 56$	$8 \times 8 = 64$
$5 \times 9 = 45$	$6 \times 9 = 54$	$7 \times 9 = 63$	$8 \times 9 = 72$
$5 \times 10 = 50$	$6 \times 10 = 60$	$7 \times 10 = 70$	$8 \times 10 = 80$
$5 \times 11 = 55$	$6 \times 11 = 66$	$7 \times 11 = 77$	$8 \times 11 = 88$
$5 \times 12 = 60$	$6 \times 12 = 72$	$7 \times 12 = 84$	$8 \times 12 = 96$

CHHARKAV P BU THUMNA 9

$9 \times 1 = 9$	$10 \times 1 = 10$	$11 \times 1 = 11$	$12 \times 1 = 12$
$9 \times 2 = 18$	$10 \times 2 = 20$	$11 \times 2 = 22$	$12 \times 2 = 24$
$9 \times 3 = 27$	$10 \times 3 = 30$	$11 \times 3 = 33$	$12 \times 3 = 36$
$9 \times 4 = 36$	$10 \times 4 = 40$	$11 \times 4 = 44$	$12 \times 4 = 48$
$9 \times 5 = 45$	$10 \times 5 = 50$	$11 \times 5 = 55$	$12 \times 5 = 60$
$9 \times 6 = 54$	$10 \times 6 = 60$	$11 \times 6 = 66$	$12 \times 6 = 72$
$9 \times 7 = 63$	$10 \times 7 = 70$	$11 \times 7 = 77$	$12 \times 7 = 84$
$9 \times 8 = 72$	$10 \times 8 = 80$	$11 \times 8 = 88$	$12 \times 8 = 96$
$9 \times 9 = 81$	$10 \times 9 = 90$	$11 \times 9 = 99$	$12 \times 9 = 108$
$9 \times 10 = 90$	$10 \times 10 = 100$	$11 \times 10 = 110$	$12 \times 10 = 120$
$9 \times 11 = 99$	$10 \times 11 = 110$	$11 \times 11 = 121$	$12 \times 11 = 132$
$9 \times 12 = 108$	$10 \times 12 = 120$	$11 \times 12 = 132$	$12 \times 12 = 144$

13	14	15	1
1×13	1×14	1×15	1×16
2×26	2×28	2×30	2×32
3×39	3×42	3×45	3×48
4×52	4×56	4×60	4×64
5×65	5×70	5×75	5×80
6×78	6×84	6×90	6×96
7×91	7×98	7×105	7×112
8×104	8×112	8×120	8×128
9×117	9×126	9×135	9×144
10×130	10×140	10×150	10×160
11×143	11×154	11×165	11×176
12×156	12×168	12×180	12×192

10 CHHIARKAWP BU THUMNA

1	2	3	4	5	6	7	8	9	10	11	12
2	4	6	8	10	12	14	16	18	20	22	24
3	6	9	12	15	18	21	24	27	30	33	36
4	8	12	16	20	24	28	32	36	40	44	48
5	10	15	20	25	30	35	40	45	50	55	60
6	12	18	24	30	36	42	48	54	60	66	72
7	14	21	28	35	42	49	56	63	70	77	84
8	16	24	32	40	48	56	64	72	80	88	96
9	18	27	36	45	54	63	72	81	90	99	108
10	20	30	40	50	60	70	80	90	100	110	120
11	22	33	44	55	66	77	88	99	110	121	132
12	24	36	48	60	72	84	96	108	120	132	144

TIHTUR 1V

PUNTIR

Puntir rawh —

1	415×5	2	372×1	3	364×4
4	864×9	5	324×4	6	816×6
7	846×28	8	450×92	9	244×124
10	812×158	11	3245×45	12	2861×87
13	3647×39	14	5687×93	15	6279×98
16	1934×215	17	6468×419	18	3473×316
19	1957×837	20	4284×519	21	922×507
22	642×567	23	1256×219	24	709×876

Tehna hlawm khat chu figure engzat pawh ni se number pum (pakhat) anga ngaih 111 Hetiangin — 5 47 35 number pum hlawm khat (whole number anga ngaih an n in number pakhat puntir a chu tiang number lo ni tnei anga chu factor an ti Hetiangin — 5 leh 3 chu 15 factor a ni Number hian denote chu puntir a harsat thin avangin he ni factor dan hman hian kan puntir dawh thin a ni

Futir lau —

$$49 \times 36$$

$$1 \quad 4 \times$$

$$4 \times 9 = (2) \quad 49 \times$$

$$6 \times 6$$

$$9$$

$$6$$

$$441$$

$$294$$

$$4$$

$$6$$

$$1764$$

$$1764$$

$$49 \times 36 = 49 \times 4 \times 9 = 49 + 6 + 6 = 1764$$

Futirna ang hian 49 hi 36 in kan puntir a 36 factor chu 4×9 emaw 6×6 emaw a ni (1) 49 hi 9 a puntir chhuah chu 441 a ni a chu chu 4 a puntir lehin 1764 a lo ni, chu chu $49 \times 36 = 1764$ tihna a ni Chutiang bawkin entirna (2) na ang khian 6 in puntir a a chhuah chu 6 bawka puntir chuan 6×6 emaw 36 emawa puntir tihna tiuk a lo ni ang

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TIHTUR V

Factor in puntir rawh

1	23 × 24	6	29 × 50
2	56 × 36	7	35 × 85
3	72 × 27	8	53 × 49
4	72 × 43	9	193 × 66
5	62 × 32	10	244 × 144

PUNTIR SEI

Number tam zawkte chu a chang chuan Factor
levin kan puntir thin a Chutiang chu PUNTIR
SEI kan ti mai thin. Hetiangin —

$$\begin{array}{r}
 1 \quad \underline{4904 \times 836} \\
 \quad \underline{4904 \times 836} \\
 3923200 - 4904 \times 800 \\
 147120 - 4904 \times 30 \\
 \underline{29424 - 4904 \times 6} \\
 4099744 - 4904 \times 836 \\
 \text{II} \quad \underline{4904 \times 836}
 \end{array}$$

4 9 0 4 × 936							
	2	9	4	3	4		— 490 × 6
	1	4	7	1	2		— 4904 × 10
3	9	3	2	2			— 4904 × 800
4	0	9	9	7	4	4	— 4904 × 836

Dan na-anin entirna 2-na ang hian kan puntir
 zawk mah thin a ni Kan puntirna kha "pa' hmun
 lemah kan tan chuan pa hmunah a chhuak chu kan
 dah tan a Sawm hmuna kan puntir chuan "sawm
 hmuna kan dah tan a "za hmunah a nih leh
 sa hmunah, chutiang zelin Tichuan puntir hmun 10
 hnua lam hmun chaub hria pawhin eng number pawh
 kan puntir thei a ni

TIHTUR VI

Puntir rawh —

(Factor lovin)

1	874×43	7	1222×527
2	159×63	8	1926×264
3	165×76	9	612×07
4	615×238	10	1756×219
5	1024×179	11	876×709
6	718×243	12	505×207

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SFM SEI

Number 1-16 chuan sem taw in kan sem thei a
Factor nei thei number pawhin factor in kan sem thei
a Amaherawhehu number hian leh tam rawk factor
nei thei lova kan sem dawn chuan sem taw danin a
hmasa a factor a rawn theih loh hawk avangin emaw
factor rawn aia a awlsam rawk aving enaw a num
ber pum chuan kan sem thin Chutianga sem chu
SEM SEI an ti thin

Hetianga hian — 6785-27

27)6785(251

54

138

135

95

27

8 a chuang

Ans 51 leh a chuang 8

Number eng anga hian pawhin be mi entuna dan
ang hian eng number pawh awl takin a sem t eih a
ni,

Sem rawh —

1 4922-17 te 55 te 47 te 61 te hian

2 50834-19 te, 28 te 91 te 99 te hian

3 69,35-103 te, 1'3 te 87 te 19 te hian

4 5568'0-52 te, 76 te, 43 te, 60 te hian

FACTOR SFM

Sentu number kha a lo len chuan sem lawia sem a baw lutuk s in a chuan in sentu number kha a factor kan zawng a a number a lo tot tak avangin a m lawia awl t kin a lo m theih leh thin

Hetungin -- 1344-24

A sentu number 24 chu a factor kan zawng a

Hetungin 24 = 6×4 emaw 8×3

1 6)1344 JF 8)1344

4)224 3)178

56 56

Hetungin 1344-24 = 56

Factor kan zawng --

1 924 12 4 84 15 1948-48

3 560-40 5 97 26 8 248-24

9 47 28 6 44 23 9 1155-25

16 CHHIARKAWP BU THUMNA

DIHTUR VII

TINBENG

1 (a) A thuin ziak rawh —

180012

74015

200073

(b) Figure in ziak rawh

Nuainnih leh sangkhat leh pakua singkua leh
sanghnih leh sawm leh pakhat maktaduainnih
leh sawm

2 Huan pakhat chuan mau 2671, theihai kung
888 serthlum kung 4200 a awm a chung huana
thei kung leh mau zawng zawng chu engzatnge?

3 Serthlum sangkhat naupang hn̄enah an sem a
naupang zawng zawng chuan 5 theuhin an chang
a, naupang engzat hn̄enah nge an sem?

CHHIARKAV P BU THUMNA 17

4 Thingrem pakbatah chuan serthlum pum 378 a
awm a chutiang thinsrem 44 a serthlum chu
engzatnge tling aL, '

5 Nepalbona chu 1764 ah a piang a kum 1621 ah
a tai a a thilun eng ia upa nge a nih ?

6 lherhai pum 26) ka nei a mi pakbat hnenah
pum 10 zel re ta ila mi engzat hnenah n e ka
sem the h aug '

7 2703 leh 4'80 inthlaul na bi en zatn)

8 Leikhabu pakbatah chuan phok 22 a awn a
phok tnah chuan tlar 30 a awm theuh a chu
leikhabu pumpuab chuan engzatnge awm ang

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INDIA TANGKA

Chông 1 = 100 paise = (၁)

Duli 1 = 50 " "

Siki 1 = 25

10 ,

5

2

1

TITUL VIII

Belh rawh —

	Rs	P		Rs	P		Rs	P
1	215	36	2	187	69	3	365	09
	116	79		99	86		287	70
	79	98		416	78		319	80
	18	79		915	93		402	54

	Rs	P		Rs	P		Rs	P
4	1099	92	5	24	99	6	1250	06
	75	09		795	42		614	17
	426	77		25	88		153	84
	518	56		76	79		678	29

CHHIARKAWP LU THUMNA 19

AV

Path avh

1	Ra	P	2	R	P	3	Is	P
345	09		164	17		3916	18	
146	91		90	88		3825	95	

4	Ra	F	5	Is	P	6	Ra	P
2897	16		3498	58		3001	21	
1978	49		3001	13		2899	89	

R

Pun rowh -

1	Ra	P	2	Is	P	3	Ra	P
25	06	12	33	12	15	75	48	16
4	Ra	P	5	Is	P	6	Is	P
156	44	24	146	77	36	17	1	39
7	Pa	P	8	P		9	Is	P
1647	77	15	9	18	175	7849	54	904
10	Ra	F	11	R	P	12	Is	I
149	78	81	195	02	15	1186	16	329

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CH

Sem rawh —

1	Rs 386	29p-13	6	Rs 16849	80p-165
2	Rs 1387	80 -80	7	Rs 29857	78 -274
3	Rs 3825	72 -36	8	Rs 2987	50 -125
4	Rs 5764	71 -97	9	Rs 8665	94 -217
5	Rs 8067	57 -123	10	Rs 24864	75 - 25

D

- 1 Rs 62004 12 ka nei a in lei nan Rs of 03 25
ka hman a, engzatnge ka hman ban ?
- 2 Kum khat chhungin sumdawngtu pakhat chuan
Rs 6782 72 a khawl a a kum lehah chuan
Rs 3893 95 a khawl beih leh a kum hnib chbunga
a khawl zawng zawng chu cheng engzatnge ting ?
- 3 Inblawhfa 125 an awm a kum khat chhungin
Rs 560 54 theuh an blawh a an vava blawh fin
khawm chu engzatnge ting ang ?
- 4 Inblawhfa 214 ka ruai a, an blawh ka pek sawng
zawng chu Rs 3531 a ni a engzat theuh nge an
blawh ?

B U K N A

10 Grams (gm)	=	1 Decagram (hg)
10 Decagrams	=	1 Hectogram (hg)
10 Hectograms	=	1 Kilogram (kg)

THTUR IX

Belh rawh —

1	kg	hg	dg	gm	3	kg	hg	dg	gm
	215	7	8	6		318	7	6	4
	105	8	4	9		25	8	3	9
	605	9	3	7		408	7	9	8
						651	9	5	4
2	kg	hg	dg	gm	4	kg	hg	dg	gm
	302	7	6	3		516	7	6	8
	214	4	5	8		342	4	3	9
	302	6	3	5		284	7	9	8
	415	7	9	4		258	4	3	7

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5	kg	g	6	kg	g	7	kg	g
	23	168		312	724		321	105
	72	426		18	413		215	302
	136	376		236	803		412	707
	245	736		321	436		159	529

8	kg	gm	9	kg	gm	10	kg	gm
	325	101		105	142		155	902
	412	813		04	511		15	34
	212	54		50	64		78	105
	115	910		30	15		237	457

\\

Path rawh —

1	kg	hg	dg	g	2	kg	hg	dg	g
	262	3	4	2		315	6	3	1
	159	7	9	3		206	7	4	9

3	kg	hg	d	gm		kg	hg	d	gm
	617	1	8	7		728	4	6	4
	591	1	9	8		309	9	8	7

CHHARAWP BU THU IN A 63

5	km	6	k	gm	7	l	gn
412	311		8	134		2112	72
1	509		111	817		1003	435

8	k	gm	9	k	gn	10	k	gm
403	10		50	113		1534	2	
580	103		44	87		110	149	

1

1 2 3 4 5 6 7 8 9 10

1	l	h	d	n	2	k	f	d	gm
	7	8	7	6	124	3	4	6	15

3		d	1		1	1	d	m
2	7	4	7	1	3	4	5	8
								7

5					f	1	1	d	m
3	4	5	1	3	1	9	4	8	35

7	l	1	8	1	gn	1	1	gm
2	1	6	4	13	3	4	14	106
								15

10		11	1	gm	1	k	gn
817	6	4	74	1	1	1	8
							1131
							436
							25

24 CHHIARKAWP BU THUMNA

CH

Sam rawh -

1 kg hg dg gm
40 0 0 2-12

2 kg hg dg gm
164 8 7 9-13

3 kg hg dg gm
164 7 7 6-15

4 kg hg dg gm
240 7 2 8-16

5 kg gm
43 118-13

6 kg gm
376 380-15

7 kg gm
610 106-18

8 kg gm
897 392-18

9 kg gm
1274 870-14

10 kg gm
265 129-24

11 kg gm
625 125-25

11 kg gm
794 116-36

CHHINCHHIAH TIR

Bu thumnaah khan a h hian r l d n l a a
 tih a a z a w n e w n g c h e c h e c h e r l a c n a m
 t a w h a v a n g i n l u t h u m n a a h l i c h a n n i n (ô l t a h
 t o v a h r i a t a n i a C h i v a m a d a n e n n a a a t a
 l o v a T n b â k l u n g h i n l i c h u T i l r a n l h a t (e)
 l e h 500 g r a m (500 g m) — k o l o k h a t a c h a m c h a h
 h m a n a n t h a v a n g i n — c h u r a m n l i n d e c h a
 n C h e t a i b a a k i n t e r h p a n l i n c e r t a
 c e n t i m e t r e h i h m a n b o r t u r a l i a l a s e d e l a h
 s l a a h m a n d a n h i z i t o l t i r a n i

TIRINA

10 Centimetres (cm)	= 1 Decimetre (dm)
10 Decimetres	= 1 Metre (m)
10 Metres	= 1 Decametre
10 Decametres	= 1 Hectometre (hm)
10 Hectometres	= 1 Kilometre (km)
100 Centimetres	= 1 Metre
1000 Metres	= 1 Kilometre
N B Dam = Decametre dm = Decimetre	

26 CHHIARKAWP BU THUMNA

TIHTUR

Belh rawh —

1	km	hm	dam	m	dm	cm
	24	8	6	4	3	9
	64	7	6	9	8	9
	125	8	6	5	4	3
	92	7	3	6	2	7
2	lm	hm	dam	m	dm	cm
	124	7	6	3	4	1
	96	9	8	9	7	9
	214	7	3	5	4	2
	48	4	9	2	8	7
3	km	hm	dam	m	dm	cm
	262	3	9	3	4	5
	175	4	3	2	7	6
	463	9	7	7	8	5
	105	7	3	1	4	7
4	km	hm	dam	m	dm	cm
	262	3	4	2	9	1
	416	9	4	2	9	7
	273	0	1	8	0	9
	90	7	4	5	6	3
5	km	m	cm			
	24	425	38			
	12	184	72			
	34	528	64			
	5	316	28			
6	km	m	cm			
	12	926	70			
	4	256	64			
	23	183	92			
	15	306	54			
7	km	m	cm			
	44	484	17			
	62	794	83			
	154	106	25			
	8	59	63			
8	km	m	cm			
	30	72	18			
	23	605	39			
	16	569	78			
	30	191	63			
9	km	m	cm			
	27	905	76			
	5	160	50			
	72	342	46			
	6	861	31			
10	km	m	cm			
	212	75	86			
	312	879	94			
	5	317	21			
	12	105	35			

AW

Paib rawh —

4	km	hm	dam	m	d	c	5	km	hm	dam	m	d	c	6
	35	7	8	4	2	1		60	3	3	4	1	5	
	29	9	9	7	0	9		17	3	9			7	

3	km	hm	dam	m	d	c	7	km	hm	dam	m	d	c	8
	45	3	7	2	4	1		73	3	3	1	4	1	
	33	2	9	1	5	3		65	4	5	5	3	9	

5	km	m	cm	6	km	m	cm
	33	145	27		25	5	7
	7	685	19		3	816	7

7	km	m	cm	8	km	m	cm
	18	104	21		25	615	36
	17	554	84		19	116	9

9	km	m	cm	10	km	m	cm
	125	115	36		98	24	1
	78	826	45		18	536	45

28 CHHIARKAWP BU THUMNA

D

	Km	hm	dam	m	dm	c
1	34	7	6	6	8	7×12
2	42	3	4	2	7	5×14
3	14	2	7	4	1	8×13
4	21	7	4	9	8	3×16
5	124	2	8	2	3	6×15
6	21	2	6	3	4	5×13
7	16	7	8	9	6	7×14
8	33	2	9	1	8	3×25

	km	m	cm		km	m	cm
9	21	412	76×15	13	121	812	91×15
10	16	527	39×21	14	15	764	27×16
11	42	101	16×36	15	14	24	82×15
12	12	642	71×25	16	132	927	96×24

CI HIAKAWP BU THUMNA 29

CH

Sam rawh -

	km	hm	dam	m	cm	cm
1	10	6	2	3	4	2-14
2	20	7	6	4	7	5-15
3	42	3	4	6	1	7-13
4	34	8	9	7	9	12-16
5	78	9	2	1	3	1-27

	km	m	cm		km	m	cm
6	333	121	04-10	9	180	765	75-15
7	164	225	96 12	10	323	540	98-14
1	316	750	30-10	11	125	626	25-25

0 CHHARKAWP BU THAMNA

THAMNA XI

TINRING

1. M. palha' hnenah tuiw n 60 km 01 0cm in la po a mi dalg hnenah 1 k 1 r in ka po leh a tui 0 km 1m 1 h 3 cm la ta na a a tui an engta sei no ka leh ?
2. Ia zin kawng ah 10 km 0 1 la 3 km 500 la ka leh a 2 km 30 40cm 1 d tur ka la nei to a ka zin kawng chu eng a hla nge ?
3. Lavat 200km a ei falgan 136 km 10 n pa la engta sei nge la zin n ?
4. Km 16 ka' tur ka nei a 8 km 6 n 0 cm ka ka tui a ei ta hla nge ka tu ka la nei ?
5. Vavt kh t zuiat 13 Dm 6 cm ka zuiat the a awi ? m ei ta tui nge ka zuiat an ?
6. 11 r avat dafur k ah t km 0 n 10 cm ka tui a an ei jah en ta hla nge ka tian an ?
7. Pindan 5 t uo lam u te fhou a awn a p n dan 1 bua ei lam m o m 4 ei vana pin dan 5 chu za m a v n ta la engta sei nge ni a ?

CHHIARKAWP BU THUMNA 31

- 8 Taisakawrah ka chuang a darkar 1 naah 10 km
6m 5cm ka tlan a darkar 2 ah 16km 7m 2cm
ka tlan a darkar 3 naah 21km 7m 11cm ka
tlan a Darkar thum chhuag chuan engtia hla
nge ka tlan ang?
- 9 Puan thutuin kamis 6 atan 24m hmang sela
kamis pakhat atan engtia sei nge a duh ang?
- 10 Mi pakhatin hruizon 17m 2 dm a nei a cm eng
zat nge thung ang?
- 11 Naupang pakhat chuan vaw khat tumah 1m
2cm tum thei sela, vaw 8 tumah engtia thui
nge a tum ang?
- 12 Ni khatah 23km 83m ka kal thei a Lala chu
26km 24m a kal thei a engtia thui nge kei
aun a kal thei ang?
- 13 Tukvern 6 atan puan sai tur 17m 2cm a ngai
a, tukverh pakhat atan puan engtia sei nge
ngai ang?
- 14 2km 6m 14dm 2cm 11 cm engzatnge ni?

3' CHHIARKAWP BU THUMNA

BILL SIAM DAN

M in dawkaiah emaw thil a lāi a lei chuan
leina chuan a ba chu a t̃hin hunin le' khain a t̃hin
t̃hin a chutong t̃hinna chu "Bill an ti t̃hin a ni

Entir nan — Thangn dawkaiah a b̃a a l̃k
chu t̃uan m 14 @ Rs 2 chi kg 20 (v 50p lehkh
tui bur 6 (v Rs 1 45p a ni a bill siam rawh —

	Rs	p
1 Puan 13 m @ Rs 2/	24	0
2 Chi 20 kg @ 50p	10	0
3 Lekhatur b̃a 6 @ Rs 1 25p	7	50
	Amount Rs	51 50

THATUR \ 11

H̃ang bill hi siam chhuak rawh —

- 1 Puan Rs 5 86p ma i ei tui Rs 6 43p zin man
Rs 9 46p ña
- 2 Chutun n kg 10 (v 63 p ði chi kilo 4 @ 40p
z̃ai tui lun b̃a 1 Rs 4 50p man no 6 @ 25p
z̃ai

3. Puan 6 m (1) ke 1 50p samphat rian 6
n (1) p 1 (1) 12 (1) 4 p nihhap 3 (1)
Ro 1 75p

4. Ithfar k 10 (1) 56 p zel (1) 11 p hut 1 (1) (1)
35 p zel khawnavatui tin 1 Rs 5 30 (1) 1 tin
2 (1) Ro 1 62 p zel

Ich habi 6 (1) Rs 1 75 p (1) 11 p hut
16 p zel lekhatui bur 6 32 p el 1 wlay
12 62 p dozen khat zeth

6. Phokkav 1 bun khat ke 4 75 p khandat 3 m
(1) Ro 1 75 p zel lun lekha 4 (1) 62 p zel
pencil 6 (1) 12 p zel

7. Alu kg 7 (1) 75 p zel rian 1 (1) 35 p zel daitak
kg 2 (1) 86 p zel tin nupui k 2 1/2 (1) Rs 1 10 p zel

8. [†] Jhutthlong 6 (1) Rs 4 50 p zel daitak 1
Rs 1 75 p man no 6 (1) Rs 1 50 p thingput
thitna 1 Ro 1 25 p man

34 CHHIARKAWP BU THUMNA

HUN BI TEHNA

60	Second (sec)	=	1	Minute (1 min)
60	Minute	=	1	Hour (1 hr)
24	Hours	=	1	Day (1 da)
7	Days	=	1	Week (wk)
365	Days	=	1	Year (yr)
366	Days	=	1	Leap year
100	Year	=	1	Century

CHANTIR

Entirna —

Hei hi second ah chantir rawh —

7 da	9 hr	10 mins	20 sec	
7 da	×			
24				
168 hr	+		1066010 min	×
9				
177 hr	×		637811 sec	-
60			20	
10680 min	+		637820 sec	
10				
10680 min			637820 sec	Ans

THTUR XIII

A

Hengte hi second ah chantir rawh —

- 1 2 hr 5 min
- 2 7 hr 6 min 5 sec
- 3 1 da 20 h 25 min 50 sec
- 4 1 wk 3 da 1 h 20 min 30 sec
- 5 2 wk 6 da 15 h 26 min 16 sec
- 6 3 wk 5 da 12 hr 22 min 45 sec

AW

Hengte hi (days) ni abte chantir rawh —

- | | |
|-------------|------------------|
| 1 3 wk | 5 3 wk 4 da |
| 2 7 wk 4 da | 6 12 wk 5 da |
| 3 4 wk 6 da | 7 2 yr 2 wk 6 da |
| 4 8 wk 6 da | 8 3 yr 3 wk 4 da |

B

Hengte hi darkarah chantir rawh —

- | | |
|-------------------|-------------------|
| 1 11 da | 5 3 wk 5 da 7 hr |
| 2 9 da 12 hr | 6 1 wk |
| 3 2 wk 3 da 4 hr | 7 1 wk 2 da 16 hr |
| 4 5 wk 6 da 20 hr | 8 15 da 12 hr |

36 CHHIARKAWP BU THUMNA

CH

Entuna —

Hei hi hours (darkar) ah te minutes ch uo se ni
ah te chantir rawh —

7000 sec

60)7000

60)116 min 40 sec

1 hr 56 min

1 hr 56 min 40 sec Ans

Hengte bi niah te darkarah te u nite ah
chantir rawh —

- 1 5000 sec 5 140305 min 9 28
- 2 9870 sec 6 140 hi 10 63 hi
- 3 80918 sec 7 124 hi 11 77 n
- 4 69040 sec 8 15r h 12 94 t
- 13 Aizawl atangin Zomabawk lal van darkar 9 1 1/2
minutes 30 ka hmang a second engratn a
hman tak?
- 14 Ni khat hi darkar 24 a ni a
(1) Ni khatah minute engratnge awn?
(2) Ni khatah seccoud engratn e awn?
- 15 I thian chu nang aini ni 15 in a upa a darkar
engratnge a upat ang?
- 16 Mihring naran marphu bi minute 1 ah vawi 75
a ni a darkur 1 ah vawi engratnge a phut ang?

PHUR XIV

PI LI

A

Path rawh

1 min sec	2 min sec	3 min sec
10 21	9 43	43 50
6 8	10 16	2 15
9 4	23 9	5 33
4 min sec	5 min sec	6 min sec
2 31	20 39	3 40
15 50	8 49	2 45
26 40	6 50	1 25
7 min sec	8 min sec	9 min sec
4 3	15 9	10 29
10 17	6 42	20 38
2 59	8 37	2 49
10 min	11 min	12 min sec
4 10	48	8 0
2 5	9 50	9 10
1 45	39 16	3 20

38 CHHIARKAWP BU THUMNA

AW

Belh rawh —

1	hr	min	sec	2	hr	min	sec	3	hr	min	sec
	8	10	20		2	25	39		7	6	5
	9	12	15		8	50	45		8	51	29
	2	1	3		3	25	25		5	26	38
4	hr	min	sec	5	hr	min	sec	6	hr	min	sec
	3	20	30		7	9	16		8	25	40
	1	9	20		8	28	45		3	26	20
	2	30	10		4	46	23		1	9	0
7	hr	min	sec	8	hr	min	sec	9	hr	min	sec
	6	29	15		2	27	18		2	23	42
	8	45	6		1	46	52		1	16	20
	9	26	10		2	25	38		2	15	15
10	da	hr	min	11	da	hr	min	12	da	hr	min
	1	15	35		1	16	20		3	17	20
	3	8	20		2	5	10		1	18	25
	1	16	2		1	3	30		1	20	30
13	da	hr	min	14	da	hr	min	15	da	hr	min
	1	14	25		2	20	30		1	20	46
	2	8	15		1	16	45		2	15	14
	1	19	2		2	22	15		1	20	15
16	da	hr	min	17	da	hr	min	18	da	hr	min
	2	15	30		1	18	22		1	20	48
	1	15	0		2	1	45		1	18	30
	2	15	8		1	14	40		2	28	20

CHHIARKAWP BU THUMNA 39

TIBET R XV

PAIH

A

Jah rawh -

1	min	sec	2	min	sec	3	min	sec
	21	17		35	55		45	40
	10	7		15	29		16	50
4	min	sec	5	min	sec	6	min	sec
	05	51		34	24		21	52
	17	49		18	19		5	39
7	min	sec	8	min	sec	9	min	sec
	80	2		24	5		50	10
	7	35		17	47		27	40

AW

1	hr	min	sec	2	hr	min	sec
	8	20	10		6	20	10
	6	14	5		2	18	18
3	hr	min	sec	4	hr	min	sec
	9	2	40		12	20	3
	7	40	17		9	8	37
5	hr	min	sec	6	hr	min	sec
	6	2	40		18	20	17
	7	30	17		27	7	12

40 CHHIARKAWP BU THUMNA

B

1 da h min
45 9 21
20 56 18

3 da hr min
8 50 49
2 9 20

5 da hr min
3 5 16
1 2 18

7 da hr min
5 7 18
4 9 15

9 da hr min
3 21 59
1 22 58

2 da hr min
36 42 9
13 59 21

4 da hr min
5 3 10
4 1 20

6 da or min
3 6 16
1 2 14

8 da hr min
4 2 16
1 7 8

10 da hr min
1 21 31
1 21 9

VITHUR XVI

PUNTIR

A

Puntir rawh —

	min	sec
1	14	8×6
2	10	8×8
3	70	8×7
4	21	10×6

	min	sec
5	21	52×12
6	43	46×16
7	25	17×13
8	53	49×11

CHHIARKAWP LU THUMNA 41

AW

	hr	min	sec		hr	min	sec
1	1	4	10 × 4	9	2	5	12 × 4
2	3	9	6 × 5	10	4	12	20 × 5
3	21	15	60 × 6	11	6	18	35 × 6
4	2	42	60 × 7	12	5	22	10 × 7
5	19	26	9 × 8	13	3	23	59 × 8
6	24	48	26 × 9	14	1	0	40 × 9
7	5	18	4 × 10	15	6	0	6 × 2
8	11	23	26 × 10	16	6	21	4 × 16

PIH UR NHI

SIM

A

Sam ri wh

	min	sec		min	sec
1	10	4 7	6	50	8-16
2	20	8 4	7	74	10-10
3	56	49-7	8	49	24 12
4	25	18-3	9	91	0-9
5	27	44-13	10	46	18-6

42 CHHIARKAWP BU THUMNA

AW

Sem rawh —

	hr	min	sec
1	12	16	9-3
2	23	20	8-4
3	18	21	17-7
	0	43	5-5

	hr	min	sec
5	22	6	0-9
6	21	18	40-12
7	18	40	12-9
8	16	25	36-12

B

	da	hr	min
1	3	12	6-2
2	5	18	6-3
3	6	21	5-5
4	4	8	4-7

	da	hr	min
5	5	13	20-8
6	2	16	16-16
7	11	20	50-5
8	12	46	0-2

TITUR XVIII

- 1 Ka zin en jah una 3 hrs 40 min ka kal a a ni
hmbpah 3 hrs 30 min ka kal leh a, a ni thum
nun 7 hr 0 min ka kal leh a, ni thum chhung
chuan engtia rei nge ka kal ang?
- 2 10hrs 2min 10 leh 2hrs 0min 5cc itli
na chu en tia rei nge ka kal ang?
- 3 Ni tia sikulah carkar 4 'ch minute 40 kal zel la
chawlhkar hmb chhârin sikulah chuan engtia
rei nge ka kal ang? (Chawlhkar hmbah ni 3 zel
sikul kal ni a ni)
- 4 Km 2 kal nan 1 min 15 cc ka lman a km 22
kal nan engtia rei nge ka hman ang?
- 5 Mi pakhat chu 7 da 20 hrs chhung a zunda
kawnah a kal a chumi kawneg vekah chuan mi
dang a kul ve a 6 da 10 hrs 25 min a thang
a, an thang rei hle kna zavng chhuak rawh
- 6 Chawlhkar khatah da kar engtia awm?
- 7 Darker khatah km 5 ka thia thei a km khatah
thian nan re outo engtia rei nge ka hman ang?
- 8 Mi pakhat chuan ni 42 leh darker 6 ab in a sa
zo thei a mi 6 in engtia rei nge chuan chuan
sak zavh thei ang?

44 CHHIARKAWI' BU THUMNA

AW NI LEH THLA CALENDAR THLA

Calendar ang obuan kum khac hi hun 12 a then a ni a Tula hming indawt dan leh ni awm zat zat chu betah hian kan hmu a —

No	Tula hming	Ni zat	No	Thla hming	Ni zat
1	January	31	7	July	31
2	February	28&29	8	August	31
3	March	31	9	September	30
4	April	30	10	October	31
5	May	31	11	November	30
6	June	30	12	December	31

Kum thum dan zelah (kum 4 naah) February hian ni 29 a nei thin a chu chu "Leap year" an ti a ni

Kumte chu Leap year an nih leh nih loh chhut duh ta ıla betiang hian an ti thin —

Kum zat chu 4 in sem ıla a chuang awm hlek lo va 4 obuan a sem ral vek theih chuan obu kum chu leap year a ni ngai ang Chutichuan 1910 te 1944 te 1948 te hi leap year an ni Tin 1941 te 1942 1943 te 1946 te hi kum pangngai naran an ni

Engpawh ni se hetia kan han sawi leh ngaih dan riagawt chuan kum 1 ah hian chawlhkar 22 awm kan ngai a Mahse dik takin kum pangngai hian chawlh

Kier 52 leh ni 1 a awm a tin leap year ah chuan
 52 leh ni 2 a awm a ni

Chhiarkawpah bian dân narânin ni kan chhiar bian
 a tan ni emaw a tâwp ni emaw chauh chhiar tel a ni
 sawi kler lou chuan ni chhiar tan ni emaw ni chhiar
 tâwp ni emaw chauh chu kan chhiar thin a ni Mahse
 chhiar tan ni leh chhiar tâwp ni chu chhiar t l tui a
 chauh chuan an sawi thin

Intirna —

1 March ni 23 a tanga May ni 12 thlang chu ni eng
 zatnge ni ang?

Ni hina a ber chhiar lovin hotian a ni ang —

March ni 24 a tanga March ni 31 8 ni

April = 20 ni

May ni koat a tanga May ni 7 14 ni

A valin 50 ni

2 March ni 24 a tanga May 12 thlang chu sawi chawh
 a ni a (a ni tan ni leh a tâwp ni chhiarin) a
 valin engzatnge ni ang?

March 23 a tanga March 31 = 9 ni

April = 0 ni

March 1 a tanga May ni 12 = 12 ni

A valin 51 ni

46 CHH ARKAWP BU THUMNA

Meilawo, paknat chuan December ni 1st 1963
 a ch wih a huun a chhuahsen a March ni 3rd 1964
 ah a chawhna chu a lo thlang lohp Nieng ato
 a thau bo?

De ni 14 afaung De ni 3 thla ni 17 ni

January = 31 ni

February = 29 ni

March ni 1 afaung ni 5 thla ni 6 ni

A van ni 8th Aug

Kum 1964 kum Flu 4 ni a chuan a wun lova
 sen zal oin avan in 1963 kum chu leap year a
 ni a chuan in February thla khaw ni 29 a nei
 a ni

TIHTUB XXX

- 1 Heng kum te hi kum mar a nge in nih leap year
 zawn chhuak rawn — (a) 1434 (b) 1408 (c) 1433
 (d) 1933 (e) 1943 (f) 1900
- 2 Kum chawo hi a lar Jau 3rd thla afaung June
 thla tawo thlang ne ni tar kum chawo hui
 la a Jay thla afaung December tawp thlang ni
 te chu? Fawhathung 'Kum mar a loh leap year ah
 a ni cam hloh?

CHHIARKAWP BU THUMNA 47

၃ Mi pakhat chuan April thlain Rs 450 a
hlawh a April ni 1 atanga ni 10 thleng a
hlawh chu engzatnge? (ni 1 na leh ni 10 na
pawh chuan tolin)

4 Hdag iukar nite hi engzatnge?

- (a) April ni 11 atanga August 26 thleng in
- (b) July ni 14 atanga November ni 7 thleng in
- (c) 'ch u r y ni 19 atanga September ni 6
thleng in (1936 kumab)
- (d) October ni 24 atanga March ni 5 thleng in
(1930 ab)

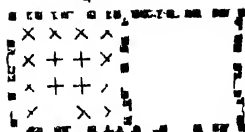
5 Lebkhathawn hi Sap ram thleing tûm ni 19
a duh a /ntawpni 29th December 1933 ni
zingah dâk inah Ichkla ka tolak a a kal ta
ng 31 a /ug ni leh tahrakah nga Sâp ram
chu a thlen ang?

6 Indonni pakhatna lha August 4 1914 ab tan
a ni tins November 11 198 ab a tâwp
a Ium te thli te nite nen engzat hun
chhâng nga a awb zawng chhuak rawh

48 CAHIARAWP PU THUMN-

THITUR XX FRACTIONS

Fig A



Hong entina lem 3 hi
en la figure A bi emua bun
intluk ienga then phawk a ni
a Amanerawhchu bo mi

tuk phawk bi a then khat zawk chaub hi tihlum a
ni a Tichuan a dum chin chaub hi kan lak hia
chuan a pum pui chanve $\frac{1}{2}$ kan ti thin a ni

Fig B

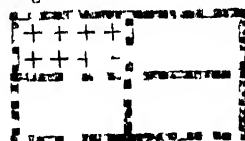
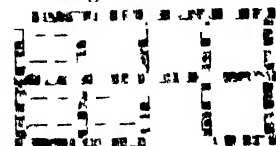


Figure B ah hian a pum pui
chu intar treuh hmun 4 ah
kan tien a Nmahsela tuen
hmun khat chaub hi tihdum

a ni a Chuvangin ku mi dum a khi $\frac{1}{4}$ (hmun 4 a
thuan hmun khat) a ni Cen ni awmza chu then
4 atangin then khat chaub khi kon la tihna a ni

Fig C



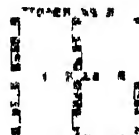
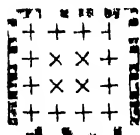
Chuvangin hawkin Figure C
ah hian th a 8 intat treuh
a awm a mahse then 3
hi lak hian a ni

Tichuan ku mi tuen 3 tak khi chi $\frac{3}{4}$ a ni

FIGURE XXI

A

- 1 Hêi fraction awm a hi tinn hwa ren a len m
entn rawh — $1 \frac{5}{8} \frac{3}{4} \frac{7}{16}$
- 2 C'ing khatah c'um 100p a wim a "On Op
60p hi ching fraction m d'ih rawh
- 3 Hêi 7h₆ 13i 9i 31i te hi k fraction m
dah rawh



Hêi thil lem pathumic hi en la 1110 to hi a
puma thai han vek a ni a pakhat rawh hi chu a
then chaub thai han a ni a Tichuan thai han z'ang
khi chu a pum pui pahh leh a pum $\frac{1}{4}$ a ni chu chu
1₄ tihna a ni

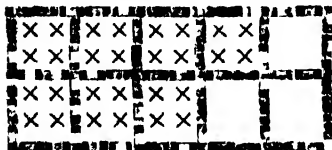
FRACTION CHAN IR

Tôuah decagram 4 hi gamah kan chantu duh
chuan 10 n kan p'ien a $4d_6 \times 10 = 0_6m$ a ni tih
kan hie rawh a C'ang hawkin dec gram thim lo
(fraction) pawn chi gamah kan chantu dan c'ua
10 in kan p'ua tho a ni

50 CHHIARKAWP BU THUMNA

Hetiangan $\frac{7}{10}$ dg hi gm ah chantir rawh --

Decagram $\frac{7}{10}$ awmzia chu dg 1 kha hmun 10 ah kan som a, chu mi hmun 10 a thena hmun 7 a e kha tibna a ni Dg 1 (10 grams) hmun $\frac{1}{10}$ chu



10 hi 10 a sem tibna a ni a chu chu gram 1 a ni a Tichu n Deca gram 1 hmun $\frac{7}{10}$ chu $1 \times 7 = 7$ grams a ni

Chutiang bawh chuan Rs $\frac{4}{5}$ hi P a kan chantir chuan Rs $\frac{4}{5}$ chu p 100 hi 5 a sem tibna a ni a chu chu p 20 tluk a ni Tichuan Rs $\frac{4}{5}$ chu $20p \times 4 = 80p$ a ni Rs $\frac{4}{5}$ chu Re 1 hmun 5 a thena 4 tibna a ni Tichuan cheng khata p awm rat 100 in kan puntir ang a --

$$\text{Rs } \frac{4}{5} \times 100 = 80p$$

AW

1 Heng fraction te hi a lemin entir rawh --

$$1\frac{1}{2} \quad 2\frac{2}{3} \quad 1\frac{5}{6}$$

2 Rs 2 30p Rs 5 60p Rs 1 50p

Rs 1 75p te hi cheng fraction ah dah rawh

CHHIARKAWP BU THUMNA 51

3. 6th 4gm 7th 6th 7th 11dg 13gm 1stdg
 11gm to hi d'ah dah theuh rawh
 4 8m 4cm 6m 2dm to hi metre in dah rawh

8

Han chon tra cu hi p'ah chantu rawh

$\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{5}{8}$ $\frac{7}{8}$ $\frac{9}{16}$

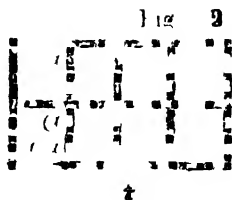
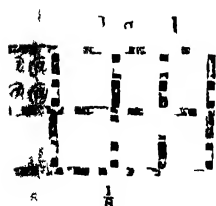
Han kilogram fraction hi gram ah chantu rawh —

$\frac{1}{10}$ $\frac{1}{5}$ $\frac{2}{5}$ $\frac{3}{5}$ $\frac{4}{5}$ $\frac{9}{10}$

Han metric fraction e hi centimetre ah chantu rawh —

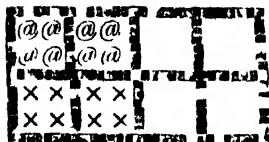
$\frac{1}{2}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{5}{8}$ $\frac{7}{8}$ $\frac{9}{16}$

RACTION INTUKI



52 CHHIARKAWI' BU THUMNA

Fig 3



$\frac{1}{2}$

Hen, figure te hi hmun 8
kin then theuh va Fig
lah hi n then khat chuan
kan la a tichian $\frac{1}{2}$ a ni

Tin fig 2 ah bian the

8 a then hnh chauh chulan la a chu chu $\frac{2}{3}$ kin ti
Tin, fig 2 hi hmun 4 a then angin kan ngai the
bawh a, chutianga kan ngaih chuan khi ni thu h
khi $\frac{1}{2}$ a lo ni a Chuvangin $\frac{2}{3} - \frac{1}{2}$ a ni

Chutiang bawkin fig 3 ah pawh bian then 8
zinga then 4 chauh kan thai hng a chu chu $\frac{4}{5}$ thi
a ni Amaherawheru a pura pui khi hmun hnh chauh
va then anga kan ngaih chuan then khat chauh la
thai hng a = $\frac{1}{2}$ T chuan thai ban chin chu $\frac{4}{5}$ chaw
eraw kan vuah a ni

He mi tih dân bian fraction chu a chung lam leh
a hnuai lam kha number thubmuna kan puntir chuan
a danglam chuan, lo tih a entir a ni

$$\frac{1 \times 4}{2 \times 4} = \frac{4}{8} \text{ a ni si a}$$

$$\frac{1 \times 2}{3 \times 2} = \frac{2}{6} \text{ a ni si a}$$

Chutiang bawkin number inanga a chung lam leh
a hnuai lam kan sem chuan a blutna chu a danglam
chuan lo

Netian in —

$$\frac{2-2}{4-2} = 1$$

$$\frac{2}{8} = \frac{1}{4}$$

CH

H i v entian tu hian oblon, sam raw h —

$$\frac{1}{8} + \frac{1}{8} = \frac{2}{8} = \frac{1}{4}$$

H i v entian tu hian oblon, sam raw h —

$$\frac{1}{8} + \frac{1}{8} = \frac{2}{8} = \frac{1}{4}$$

FRACTION 1 LH

$$1 + 2$$

$$1 + 2$$

A huanat zawk h number thihun nih gh wt
ghuan a chuung lama mte h i k i bo'h ai a ni

$$\frac{1}{2} + \frac{1}{2} = 1$$

D

Belh lawh —

$$\frac{1}{2} + \frac{1}{2} = 1$$

54 CHHIARKAWP BU THUMNA

FRACTION PAIH

I n'iraa — $\frac{5}{8} - \frac{3}{8}$

He mi awmzia chu $\frac{5}{8}$ a'ang hian $\frac{1}{8}$ kan la awm
tibna a ni P 5 atanga p 1 kan la c uan p 4
b'ang tih kan hria a chutiang bawc c u a n $\frac{1}{8}$ chi
 $\frac{5}{8}$ a'ang kan lak chuan $\frac{4}{8}$ a bang a

$$\text{Chuvangin } \frac{5}{8} - \frac{1}{8} = \frac{4}{8} = \frac{1}{2}$$

F

Path rawh —

$$1 \quad \frac{1}{16} - \frac{1}{16} \quad \frac{5}{8} - \frac{3}{8} \quad \frac{1}{12} - \frac{1}{12}$$

FRACTION NUMBER PUMA PUNTIR DAN

Ch'ang 3 hi 7 a kan puntir chuan ch'ang 21 a ni
a Chutian, bawkin $\frac{1}{3}$ hi 7 a kan puntir chuan huan
4 a t'en hir vaw 7 huan 4 a ni a = $\frac{4}{7}$ Chu ni
a mza chu a chung z'awc chach kan puntir tibna
a ni

$$\text{Chu chu } \frac{1}{3} \times 7 = \frac{7}{3} \times 1\frac{2}{3}$$

Number pum engvatn, e awm tih hre t'ur chuan a
huan z'awc k'ian a chung kan sen a —

$$\text{H'ian, in } - \frac{2}{3} = 4\frac{1}{3}$$

F

⁴
Hông Fiac on bi puntin lawh —

$$\frac{3}{8} \times 2 \quad \frac{5}{8} \times 9 \quad \frac{4}{10} \times 6 \quad \frac{8}{18} \times 12 \quad \frac{2}{3} \times 3 \quad \frac{9}{10} \times 7$$

FRACTION SIM

Re 9-3 = 3 a ni a chutian ba vl n i² 3 i² 8

(

Sam 19 vñ —

$$\frac{1}{14} - 6 \quad \frac{1}{17} \quad 4 \quad \frac{1}{10} \quad 3 \quad \frac{1}{14} \quad 4 \quad \frac{5}{7} \quad 0$$

КЛУБ О ЛИБРИ Г (Уч. и Метод)

Interna —

8 m n R 4/ n e' & 1^o n a n e r zAtngs
n a n ?

Ar 8 man chu ch'ang 4

1 " " "

4

, 1^o ,

$$\begin{array}{r} 4 \overline{) 12} \quad 48 \\ \underline{8} \quad \underline{6} \\ 8 \end{array}$$

Ar pallat nar cha r a n hru n 8 a thena
 lnu a u a (Unver m Ar 8 man chu 8 a
 kan i c' a pallat n n e lo i s u g a Ar 12
 m n ch i a t m n a l' a n h a A i n 12 m kan
 pun' a u u u k r a n i

56 CHHARKAWP BU THUMNA

TIHTUR XXII

A

Mental --

- 1 Ar 6 man Rs 7 90 a ni a Ar pikhat man ziw
chhuak rawh
- 2 Ar 12 man Rs 10 60 a ni a pikhat man ziw
chhuak rawh
- 3 Artui 12 man Rs 1 20 a ni 1 man hie rawh ?
- 4 Dawhkan 4 man Rs 16 40 a ni, pikhat man b
rawh ?
- 5 Tawthleng 6 man Rs 12 72 a ni a 1 man ou 1
nge ?
- 6 Buh 220 kg man Rs 1 0 00 a ni a kg k'at m
engsatnge ?
- 7 Serthlum phui 10 man Rs 16 40 a ni a p u k'at
mau hie rawh ?
- 8 Total 8 man Rs 21. 0 a ni thui 1 man ziw

AW

Ar 9 in Rs 4 0 man sela Ar 10 n engzinge a
n an ang ?

I tthleng 4 n an Rs 28 ni sela 7 butthleng 9
n n engzinge a man ang ?

If awwp 10 in Rs 33 72 man sela I chsa ep 3 in
n n engzinge a man ang ?

Pe am 7 n Rs 18 man sela 10 n n engzinge
a man ang ?

Kel 7 in Ps 12 n an sela 10 n n engzinge a
man ang ?

Sakawi 4 in Rs 240 man sela Sakawi 12 in engzinge
a man ang ?

Phekhawk bun 12 in Ps 60 90 man sela 10 khawk
bun 4 in engzinge a man ang ?

Lehkhawtui bôr do en 6 man Rs 7 74 n n engzinge
a man ang ?

58 CHHIARKAWP BU THUMNA

B

- 1 Artui dozen 1 in 55p man sela artui dozen 10 man engsatnge ni ang ?
- 2 Bawngpui 1 man Rs 112 ni se bawngpui 8 man engsatnge ni ang ?
- 3 Suahdur 1 man Rs 4 75 ni se suahdur 12 man engsatnge ni ang ?
- 4 Thosilen 1 man Rs 4 25 ni se thosilen 6 man engsatnge ni ang ?
- 5 Khum pakhat man Rs 6 ni se khum 16 man engsatnge ni ang ?
- 6 Almirah 1 man Rs 70 50 ni se, almirah 9 man engsatnge ni ang ?
- 7 Alu kg 1 man 25 ni se alu kg 10 man engsatnge ni ang ?
- 8 Hla bu 1 man Rs 2 25 ni se hla bu 12 man engsatnge ni ang ?

CH

- 1 Iuh ip 7 rih lam chu 36 kg 4hg a ni chutiang
buh ip 10 chu engtia -it nge ?
- 2 Sakawr 8 in buhbum 16 kg oi thei sela sakawr 11
in engzatnge ai i theih ang ?
- 3 Pawng 5 in buh 364kg 5hg p'ur zo sela hawn
9 in engzatnge an phuh ang ?
- 4 Dawrawn 12 ah serth'um rum 1800 leng ola
dawrawn 10 ah engzatnge leng an ?
- 5 Naupang 28 gthutthlong sei 4 ah leng ola naupang
140 chu gthutthlong engzatab nge an lom ang ?
- 6 Puan metre 15 in kam s 5 dah sela kam s 16
dah metre engzatnge ni ang ?
- 7 Mi 1 in darkar 12 ah km 36 kal sela darkar 8 ah
km engzatnge a kal ang ?
- 8 Naupengin ni 5 ah lebktabu phék 90 chhiar sela
phék 44 chhiar nân ni engzâtng a duh ang ?
- 9 Nula 6 in tuiûa 36 phui zo sela nula 11 in tui
engzatnge an phurb ang ?
- 10 Sikul 16 tân lunglehkha 30 tâwk ang sela ikul
32 tan lunglehkha engzâtng tawk ang ?

60 CHHIARKAWP BU THUMNA

RULE OF THREE

Entinna —

Mi 6 in ni 8 ah in pakhat sa zo th i el: ni eno
zâwahate mi 18 in an sak rawh ang?

$$\begin{array}{rcll} \text{Mi 6 in ni 8 ah in a th i el} & & & \\ , 1 \text{ " " } 8 \times 6 & & & \\ , 18 \text{ " " } 8 \times 6 & 48 & & \\ & \frac{48}{18} = \frac{8}{3} = 2\frac{2}{3} & & \end{array}$$

In khat sa tûi chuan mi 6 a chuan mi pa-
khat chuan a duh iei dawn a mi pakhat chuan
vin a thawh dawn chuan mi 6 ni khat theih kha
ni 6 a beih thung dawn avan in kn pu a
mi 18 erawh chuan mi pakhat thawh iei 18 a iei
lo an thawk ve ttung dawn a chuan in kn
sem thung a ni

THIFUR XX

- 1 Mi 10 in ni 11 ah huan an let zo thoi a mi 12 in
ni engzatab nge an rawh ang?
- 2 Nu'a 6 in hapta 4 ah (hapta 1 = 7) puan an lah
zo taei a ni engzatan nge nula 3 in an lah rawh
theih ang?

CHUAT RKAV P BU THUMNA (1)

- 3 Saw 3 n' n' f m m '9 a i ci zawn t' h' ci
n ci zatahn e sak a i 1 n n ci zawn ang'
- 4 H'ot h' un j k at chu m 0 ch' m in ber' m
n iet f i thei sela ber' m i m a i o g' t' h' n e
a i p' h' zawn a i ?
- 5 N i n n 0 m s' i l u l l u n t' a l i e t (L' 30 a i m m
z o t h' e l a n a u p a n g ' 0 n m e n z a t h' m m n
z a l i n ?
- 6 M' f i n m i ' 0 a h' l u n z' p h u i z o t h' e l a m i 3 m
n c u z a t a n g e l u n g c h u m p h u h z a w h t' m i ?
- 7 B u n f a c n c u w a i m i 1 2 n r 1 8 c h' h' u n c i t' v i
s a l i m i 1 t' i n m i c u a t t i a n g e m i a n g ' ?
- 8 P u m p i l l a s o t i l m z v i s z a v i g c h a m 2 0
m m i ' c h' i d a m o z o t h' e i s a m m i 1 2 a m i e n g
z a t a n n g e a n z a w h a n g ' ?
- 9 P i n t a u i 6 m t' h' n l a w a a l i a n 3 0 a h' t' i z o
t h' e i c a a u k a i e z a t a h' e p u a n t' u i ' 6 m a n
z a w i a n g ?
- 10 M i 0 m t u k h' a h m i f a h z o ' h e i e i f n m i
c u a i a n g e a n k h u a h z a w h a n g ' ?

6. CHHIARKAWP BU THUMNA

ZAUZIA TEHNA

(Measurement of area)

ARFA (square (sq) measure)

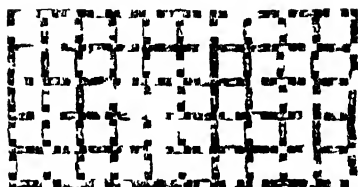
100 sq Centimetres Cmq	= 1	Decimetre (d n l)
100 sq decimetre	= 1 sq metre (mq)	emaw
		1 Centiare
100 sq metre	1 sq Decametre (Dmq)	
		emaw
	= 1 Arc	

Chhiarkawp (Arithmetic) kan hmanza thil zauzia kan teh chuan thil hli nei (rectangle) chauh kan ngaih tuah thin a. Chutian thil emaw hmun emaw, leilung emaw zauzia chu "ARFA" kan ti thin.

He mi buah chuan mawl té té square Centimetre s'ang a s'ang a metre th'e a, chauhin thil kil li nei zauzia (area)—chtat emaw, dawhkan chung emaw ang chi chauh hi kau z' rin ang a.

Er hma —

10 cm — A dunc



5 cm

A vâng

- 1 He mi lem hi kan en chuan he tui lem hian dunc leh vâng a ne a A dunc am chu en ina a mi ang hian 10 Centimetres a dia a vâng lam chu 5 Centimetres a ni

He mi awmzia chu centimetres hui kil li nei (kil tuu centimetic khut) 10 thar o a awm tihua a ni Chu mi awmzia chu he figure ah hian centimet o kil li nei hui lo awi o = 50 = 10 × 50 a leng a chu chu 5 sq c m. o (cmq) a lo ni

၁၄ CHHIARKAWP BU THUMNA

Hetiang hian thil zauzia chu awl takin eng anga
rau pawb a dung leh vâng kan hriat phawt chuan
kan hie thei a ni Thil zauzia chu a dung leh a vâng
pantirin a ebhuak tihna a ni

$$\text{Zauzia} = \text{area} = \text{a dung} \times \text{a vâng}$$

- 11 Pinlan pakhat chu a dung metre 10 a vâng metre
10 a ni a, a area zawng ebhuak rawb

A dung 10 m

A vâng 10 m

$$\text{Area} = 10 \times 10 = 100 \text{ sqm} = 1 \text{ Area} = 1 \text{ Dmq}$$

TIHTUR XXIV

Hông area hi zawng ebhuak rawb —

A dung 10 Cm a vâng 6 Cm

A dung 12 Cm a vâng 6 Cm

CHHIARKAWP EU THUMNA 65

- 3 A dung 21 cm a vâng 12 cm
- 4 A dung 16 dm a vâng 14 dm
- 5 A dung 15 m a vâng 8 m
- 6 A dung 1 m 4 dm a vâng 20 dm
- 7 A dung 1 dm 4 Cm a vâng 1 dm
- 8 A dung 22 m a vâng 13 m
- 9 A dung 8 dam 10 Cm a vâng 6 dam 5 m

AW

- 1 Dawhkan pakhat chu a dung 20 dm a vâng 15 dm
a ni a, chu dawhkan area chu zawngh chhuak rawh?
- 2 Pindan pakhat chu 16 m a sei a ni a a vâng
lam chu 12 m a ni chu pindan chu ongtha zawn
ngo?

66 CHHIARKAWP BU THUMNA

- 3 Sikul pakhat chu a dung 24 m a vâng 16 m a ni a, area zawngh chhuak rawh
- 4 Sikul huan pakhat chu a dung leh a vâng a in chen a, a sir khat chu 20 m a ni a chu huan chu eng tia zau nge?
- 5 Blackboard pakhat chu 3 m 45 dm a sei a ni a a vâng lam chu 2 m 4 dm a ni a chu Blackboard area chi zawngh chhuak rawh?
- 6 Puam pakhat chu a vâng 12 dm a ni a a dung lam chu 40 dm a ni a chu puam area chu engti nge ni ang?
- 7 Pindam pakhat chu a dung 15 m a vâng 12 m a ni a, chu pindam zawngh chhuak rawh ni?

SCHOLARSHIP EXAMINATION

1967

Full marks—125

Time—6 hours

- 1 (1) Hei hi a thum ziaak rawl—538306
(2) Hei hi figu eia ziaak rawh—Singkua leh zih leh pasath 4 + 4
- 2 (1) Hông Arabic figure te hi an tlukpu l i a number entir rawh—19 24 55 125
(2) Hông Fomen Number bian tlukpu Arab number (aun h r ronggar in) entir rawl XVII X LX XXX II CXL
- 3 FAng hi chlu' chhuak rawh — 5 + 5 + 4
(4) $4125 - 3000 - 1124$ (2) $96 \times 7 + 201 \times 12$
(1) $\frac{4}{12} + \frac{4}{12} + \frac{4}{12}$
- 4 Chithlum Kg 14 man Rs 21 84 ni sola Chithlum Kg 1 man engzâtage?
- 6 Pindan pakhat chu a dung netto 24 a ven netto 16 a ni a a Area zawn; chhuak rawh?

Emaw

Hmunga chu a pain Rs 245 67 a pe a a num
Rs 32 a a pe a a num Rs 187 89 a je ve leh a
a pawisa dawn zawnzawn, chu engzâtage

68 CHHIARKAWI' BU THUMNA

6 Hông fraction te hí a te thei ang berin chawk
chhuak rawh — $5+5+5$

250	98	3
<hr/>	<hr/>	<hr/>
625	216	24×6

7 Chawk chhuak rawh — $5+5+5$

2 kg 578 gr hí gramah

1 Da 2 hr hí minute ah

67985 p hí chêngah leh Pawisa ah

8 Bawng 4 man Rs 644 ní se Bawng 7 man engzât
nge ní ang? 10

Emau

Mi pakhatin ní 150 ah in sa thei sela, mi 15 in
ní eng zât nge chu in chu an sak zawh theih ang?

9 Khaw pakhatah chuan mibring 4590 an awm a,
kum tin 284 zêhn an pung a chu khuah chuan kum
6 khuah mibring engzâtge awm ang? 12

Emau

Chêng 7788 ka nei a, Rs 4568 in ram ka lei a
chêng 265 75 in Thirsakawr ka lei leh a engzât nge
ka huan bân?

10 Bill siam rawh —

(1) Bubai kg 10 @ 95 p

(2) Pbeikhawk bun 8 @ 24 75p

(3) Alu 7 kg @ 75p.

(4) Puan 6 m @ 150 p

SCHOLARSHIP EXAMINATION

1968

Full marks—125

Time—3 hours

- 1 Hāngte hi ka lei a Bill siam rawh --
 Pencil 3 doz pencil 1 man 20 p
 Lukhum 7 @ Rs 4 6
 Puanthan 14 m (v Rs 3 05
 Dailuah 23 Kg (v Re 1 92
 - 2 Chawh ohhuak rawh —
 (a) $2000 - 75 \times 24$ (b) $\frac{1}{8} \times 2 - \frac{1}{8}$
 - 3 Nikbatah mipain Rs 5 '5 a blawh thei a hmei
 chhiain Rs 4 75 Naupangin Rs 2 50 An pathum ni
 khat blawh engzātngē ni ang? 10
 - 4 Mi 14 in ni 20 a buh an phurh zawh theih chu
 mi 35 in ni engzātahn, e an phura zawh ang? 15
- Erra*
- Mi pakhatin thla khatah Rs 110 a blawh a kum
 tāwpah Rs 320 a kha vi a engzātngē a hman ral?
- 5 Chantir rawh — 4+5+0
 $\frac{1}{2}$ K. Gramah 160 Km Centimetre ah
 3 Sq metre a Centimetre ah

70 CHHARKAWP BU THUMNA

- 6 Puan metre khat man Rs 2 25 a ni a Hectometre khat man engzâtnge ni ang ?

Emaw

A 11 ni 21 aţanga July ni 8 (chhiar ţan n leh tawp ni telin) dârkâr engzâtnge

- 7 Rs 916 ka rei a thil lei nân Rs 69⁰⁰ ka huanţ a Rethel thawnlawmah Rs 70 30 ka po bawka a erp râtuge ka la ne h ? 12

Emaw

Naupang engemaw zâtn Rs 266 au msem a, Rs 19 theuhin an chang a naupang er, râtuge an nih ?

- 8 (a) Factor sem danin sen rawh — 5+5
170-34

(b) $1\frac{3}{4}$ hi a tē thei ang berin siam rawh—5+5

- 9 Ar 8 Rs 6 50 theuhin ka hralh a ka pawisa lei ziwn, rawng chuan bu fat K, lah Rs 4 26 in ka lei a bu'fat engzâtnge ka lei ?

Emaw

Khawpui pakhatat hian luhnging avângin mihring 2580 an thi a 2,520 an hliam bawka a a hliam zat let thum chu an him t Khawpui chhân a mihrg awm ziwn, zaw, chu engzâtnge ?

PRIMARY
SCHOLARSHIP EXAMINATION

1969

Full marks—125

Time—3 hours

MARKS

- 1 Hengte hi ka lei a, Bill siam rawh— 20
 - (1) Ziaklobu 8 Doz bu khat man 20 p zel
 - (2) Nihlap 8 @ Rs 7 50 p
 - (3) Puanthan 18 M @ Rs 2 05 p,
 - (4) Cumi 15 Kg @ Rs 3 02 p
- 2 Chawk ohbusk rawh— 5+
 - (a) $114 + 63 \times 9 - 451$
 - (b) $\frac{3}{12} + \frac{5}{12} - \frac{5}{12}$
- 3 Chantir rawh— 4+4+4
 - (a) $\frac{3}{10}M$ —Centimetre-ah
 - (b) 1140 sec —Darkarah
 - (c) 46169 p —Chengah
- 4 Mi 122 in Motor kawng ni 7 ohhungin an lai zo thei a, ni 15 ohbunga lai zo thei obiah turin mi engzatnngae thawh ngai ang?

Kimaw

Nula pakhat chu a nu aun kum 19 in a naupang a, a nu chu kum 18 mi nun a thi ta Chu nula chu a nu thihin kum engzatnge a nih?

72 CHHIARKAWI' BU THUMNA

5. Chithlum mum 1216 hi naupang awmthawm zingah an sem a, naupang pakhatin mum 16 zélu an chahg theuh va Naupang awmthawm chu engzátngé an nih? 10
- 6 Kawrkilh 63 a awm a, chumi zinga hmun 3 a then a hmun 2 chu kaw 4 nei chi a ni a, a dang erawh chu kaw hnih nei chi vek a ni a Kawrkilh kua zawng zawng chu engzátngé ni ang le 10
- 7 Nausen pakhat chu kum 1668 January ni 19 kban a piang a August ni 23 ah a thi ta a ni engzátngé a dam? (A pian ni-leh a thih ni chhiar tel'n) 15
- 8 Buhai Kg 12 ka nei a, dg 34 ka hialh a, gm, 10 ka tibua a engzátngé ka la neih? 10

Emau

Blackboard pakhat chu 3m 5dem a sei a ni a a vang 2m 4dem a ni a, chu blackboard area chu zawng chhuak rawh

- 9 Puanthui 6 in thawmbnaw darker 36 ah thui zo thei sela darker engzátah nge puanthui 16 in an thui sawh ang? 10

Emau

Ka sinna tur kawng chu 23 Km a hla a ni a 18 Km 630M ka kal tawh a, engtia hla nge kal tur ka la neih?

- 10 Sikul pakhatah naupang 384 an awm a, aa zinga 91 te chu exampnah an thug lova pass zinga hmun 4 a thena hmun khette chu hmeichhia an ni a, mipa engzátngé pass? 12

- 11 Factor sem danin sem rawh — 6

1728—32

Emau

Puntir rawh —

124 kg 3 hg, 4 dg 6 gm \times 15

PRIMARY SCHOLARSHIP EXAMINATION

73

ARITHMETIC

1970

Full marks—125

Time—3 hours

- 1 Bill siam ohhuak rawh — 20
 - (1) Puan 16 m at Rs 1 50 p
 - (2) Alu kg 17 at 75 p
 - (3) Pencil Doz 15 at Rs 3 06 p Dozen khat
zelah
 - (4) Khaiiat Thi $1\frac{1}{2}$ m at Rs 1 02 p in 10
zelah
- 2 (a) Hengte hi a thuin ziaak rawh — 4+4
20507 4073
- (b) Hông te hi figure in ziaak rawh —
Singh leh sangthum leh pali
Sangruk leh pasarib
- 3 Ka zin kawngah 5 hr 40 min ohhôngin 20 km ka
kal chiah a, 1 km kal nan second engzâtngé ka
hman ? 12

Emaw

Intihsiakna ah mipa naupang 120 leh hmeichhe
naupang 80 an tel a Mipa naupang zinga $\frac{1}{3}$ leh hmei
ohhe naupang zinga $\frac{1}{3}$ te chaubvin lawmman an hmu
a, mipa naupang lawmman hmu nge tam zâwk hmei
ohhe naupang lawmman hmu obu ?

4 Kum 1921 ah chuan khaw pakbatah mibring Singhi
leh pabnih an awm a Kum tin 92 zâlin mibring an
pung a tin kum tin 13 an thi thung a Kum 1956
ah mi engzâtngé ting ang ?

74 CHHIARKAWP BU THUMNA

5. Motor pahnhin buhrai Quintals 70 phur zo thei tawh sela, buhrai Quintal 350 phur zo thei tawh Motor engzatnge ni ang? 10

Bmau

Dawhkan 5 man chu Rs 77 50 ni se'a dawhkan 13 man chong engzatnge ni ang?

6. Pindan pakhat chu a dunglam lam 2 dm 4 m a ni a, a vâng lam chu 3 m 5 dm a ni a, chu pindan area chu sawng chhuak rawh 10

7. Ka ziunash Rs 3802 75 ka keng a ka thil lei tur sawng sawng ka chhêkkhawm ouu Rs 4,002 25 man a ni a Ka phiante tangka Rs 378.49 ka pûk sak ta a Chumi hnash Bungraw deng Rs 69 15 man ka lak belh leh a engzatnge ka hman ban tak? 10

8. Lebkathawn bi Sap ram thlang turin ni 21 a duh a Inriini 27th December 1969 khan zingah Dak mah leh kha ka thlak a, a kal ta ngha' a Eng ni leh tahrîk ah nge Sap ram a thlen ang? 10

9. Chantir rawh — 5+5+5

(a) 3 wk 4 da, 9 hr — Second ah

(b) 8521 gm — dg ah te, hg ah te, kg ah te

(c) $\frac{5}{8}$ km Centumetre ah

10. Chawh chhuak rawh — 5+5

(a) $240 \times 24 + 150 - 30$

(b) $\frac{1}{2} + \frac{5}{8} + \frac{1}{4}$

11. (a) Factor danin sem rawh — 5+5

$2432 \div 64$

(b) Puntir rawh —

33 km 2 hm 9 dm 1 m, 1 dm 3 cm $\times 25$

PRIMARY
SCHOLARSHIP EXAMINATION

1971

Full marks—125

Time—3 hours

- 1 Bill siam ohbuak rawh — MARRS
 Pencil 5 doz, pencil pakhat man 25 p zel
 Puanthan 17 M @ Rs 7 03 25
 Buhai 27 Kgs @ Rs 1 75
 Ziaklobbu 8 doz @ Rs 4 26 Dozen khat zelan
 Dailuah 3½ Kgs @ Rs 5 50
- 2 Hông bi chawh ohbuak rawh— 5 + 5
 (1) $202 + 48 \times 17 - 123$
 7 3
 (2) $\frac{\quad}{12} \times 2 - \frac{\quad}{6}$
- 3 Chantir rawh— 5 + 5 + 5
 (1) ½ Kg Gram ah
 (2) 3 Km Cm ah
 (3) 7014 Sec, Hour ah te, Minute ah te, Second ah te
4. (a) A tē thei ang berin chawh ohbuak rawh —
 200

 695 5 + 5 + 5
- (b) Factor danin sem rawh —
 2432—64
- (3) A area zawng ohbuak rawh —
 A dung 8dm 10cm a yang 6dam 5m

76 CHHIARKAWP BU THUMNA

- 6 (a) Puntir rawh — 5+5
 16 km 7 hm 8 dam 9m 6 dm 7 cm $\times 12$
 (b) Sem rawh —
 164 kg 8 hg 7 dg 9 gm - 13
- 6 (a) Hêngte hi a thuin ziak rawh — 5+5
 869752, 700804
 (b) Hengte hi figure in ziak rawh —
 Singnga leh sangriat leh pathum
 Nuairuk leh zal leh sawmkua
- 7 Ka sinna tûr obu 30 Km a bla a ni a Darkar
 khatah Km 1 lea 50 metres zel kalin engtia reiah
 nge ka thlen ang? 10

Emaw

- Puanthan 36 M aţang n 8 M 9 dm 7 cm ka
 hlep a engchenne la bang?
- 8 Lo pakhat obu mi 18 in ni 24 ohbungin thlo zo
 thei sela, ni 36 ohbunga thlo zo tur n mi engzât
 nge ngai ang? 10
- 9 Mi pakhatin April thla in Rs 560 obiah a blawh a
 April ni 1 aţanga ni 12 thlenga a blawh chu eng
 zâtngé? (ni 1 na leh ni 12 na pawh ohhiar telin)
- 10 Zantîn darkar 8 leh minute 45 obiah zâl muhil
 ta ila chawihkar 2 ohhângin engtia rei nge ka
 muthih ang? 10

Emaw

Ar 12 Rs 9 25 þheuhvin ka hralh a ka pawisa
 lei zawng zawng obuan Buhfai Kg 1 ah Rs 3 zelin
 ka lei a, Buhfai engzâtngé ka lei?

CHHANNA

TIHTUR 1

A

1	3	6	8	11	32	16	134
2	6	7	19	12	83	17	67
3	9	8	50	13	109	18	49
4	2	9	40	14	250	19	75
5	4	10	52	15	18	20	69

AW

1	XXI	6	XXIV	11	CX	16	CIXV
2	XIV	7	XXVII	12	CXXV	17	CCCV
3	XXXII	8	LIV	13	CCXXXI	18	CLXXXI
4	XVIII	9	LXII	14	CXCIV	19	XCIX
5	XLIII	10	LXVI	15	CXIVII	20	CLIII

TIHTUR II

1	1547	6	24514	11	19980	16	15576
2	2228	7	25422	12	48452	17	15575
3	1554	8	32916	13	1590	18	2798
4	2503	9	13643	14	21276	19	295288
5	29549	10	24 40	15	3648	20	2 987

TIHTUR III

★

1	405	11	3299	21	30 8	31	31001
2	546	12	6197	22	4339	32	6070
3	650	13	5095	23	3546	33	8613
4	501	14	2398	24	5370	34	10508
5	4209	15	4996	25	47972	35	79653
	3228	16	5392	26	29340	36	3 088
7	1929	17	3113	27	56199	37	542
8	2348	18	921	28	3197	38	626
9	5377	19	2840	29	86694		
10	3379	20	4567	30	71035		

TIHTUR IV

1	2075	7	7958	13	149796	19	1663119
2	372	8	41400	14	528891	20	2223396
3	1456	9	32058	15	517342	21	467454
4	7776	10	128572	16	415810	22	235614
5	1298	11	146025	17	3252816	23	275064
6	4826	12	105857	18	1097468	24	621084

TIHTUR V

1	552	2	2016	3	1944	4	9034
5	1984	6	1450	7	1225	8	2597
9	8118	10.	95136				

TIHTUR VI

1	36708	2	10017	3	12375	4	159510
5	183293	6	181278	7	643994	8	508464
9	196094	10	384564	11	621084	12	104535

SEM SEI

1	289 $\frac{9}{7}$	89 $\frac{3}{5}$	104 $\frac{3}{4}$	80 $\frac{1}{2}$
2	2675 $\frac{9}{5}$	2210 $\frac{4}{8}$	558 $\frac{3}{4}$	513 $\frac{1}{5}$
3	672 $\frac{17}{8}$	562 $\frac{107}{28}$	79 $\frac{5}{8}$	3643 $\frac{1}{8}$
4	1128 $\frac{50}{2}$	774 $\frac{7}{4}$	13041 $\frac{2}{8}$	8630 $\frac{2}{8}$

FACTOR SEM

1	77	2	28	3	17	4	59 $\frac{1}{5}$	5	27
6	22	7	28	8	98	9	33		

TIHTUR VII

- 1 (a) Nuaikhat leh Singriat leh sawm leh pahnih
singsarih leh sangli leh sawm leh panga mak
taduai hnih leh singruk leh zasarih leh sawm
nga leh pahnih

(b) 210009 92011 2000010

2	7754	3	200	4	9072	5	52
6.	17	a chuang pum 10	7	2277	8	660	

TIHTUR VIII

A

1 Rs 430 92p
 3 Rs 1375 13p
 5 Rs 943 03p

2 Rs 1620 32p
 4 Rs 2120 34p
 6 Rs 2698 36p

AW

1 Rs 14° 8p
 3 Rs 90 83p
 5 Rs 489 07p

2 Rs 117 89p
 4 Rs 918 87p
 6 Rs 4 32p

B

1. Rs 300 72p
 3 Rs 1207 68p
 5 Rs 8883 72p
 7 Rs 354270 55p
 9 Rs 2072225 76p
 11 Rs 31275 90p

2. Rs 541 80p
 4 Rs 3754 56p
 6 Rs 150877 54p
 8 Rs 160944 00p
 10 Rs 12682 86p
 12 Rs 587646 64p

CH

1 Rs 32 24p leh
 a chuang 1
 3 Rs 106 27p
 5 Rs 66 59
 7 Rs 108 97p.
 9 Rs 39 93p a chuang 113

2 Rs 17 34p leh
 a chuang 60
 4 Rs 50.48p
 6 Rs 102 12p
 8 Rs 23 90p
 10 Rs 924 69p

CHHANNA

5

D

1	Rs 56400 97p	3	Rs 70067 50p
2	Rs 10676 67p	4	Rs 16 50p

TIHTUR 1Y

1	7kg 6hg 2Dg 1gm	2	1235kg 6hg 5Dg 0gm
3	1405kg 3hg 5Dg 5gm	4	140 kg 4hg 41hg 2gm
5	476kg 706gm	6	1029kg 375gm
7	1108kg 643gm	8	1066kg 878gm
9	1118kg 622gm	10	517kg 498gm

AW

1	102kg 5hg 4Dg 8gm	2	108kg 8hg 8Dg 0gm
3	25kg 1hg 8Dg 9gm	4	413kg 4hg 7Dg 7gm
5	258kg 807gm	6	78kg 237gm
7	202kg 637gm	8	73kg 317gm
9	87kg 825gm	10	477kg 853gm

B

1	412kg 5hg 9Dg 2gm	2	1865kg 1hg 9Dg 0gm
3	4108kg 6hg 9Dg 2gm	4	7864kg 6hg 7Dg 5gm
5	10113kg 7hg 6Dg 8gm	6	21558kg 1hg 8Dg 0gm
7	3309kg 982gm	8	47.9kg 405gm
9	21316kg 100gm	10	20342kg 736gm
11	20785kg 32gm	12	29860kg 900gm

OH

- 1 3kg 8hg 0Dg 7gm a chuang 8 2 12kg 6hg 8Dg 3gm
 3 10kg 9hg 8Dg 5gm 4 15kg 2hg 3Dg 3gm
 5. 18kg 701gm a chuang 5 6 25kg 92gm
 7. 33kg 894gm a chuang 14 8 11kg 87gm
 9 91kg 62gm a chuang 7 10 11kg 47gm
 11 25kg 15gm 12 22kg 68gm a chuang 28

TIHTUB X

- 1 308km 2hm 3dam 5m 9dm 8cm
 2 764km 9hm 7dam 1m 5dm 7cm
 3 1007km 5hm 2dam 5m 5dm 3cm
 4 1153km 0hm 4dam 9m 7dm 1cm
 5 76km 453m 6 55km 673m 80cm
 7. 289km 364m 88cm 8 106km 438m 98cm
 9 112km 270m 3cm 10 542km 378m 36cm

AW

- 1 8km 7hm 8dam 7m 1dm 2cm
 2. 38km 9hm 2dam 7m 5dm 8cm
 3 12km 0hm 8dam 0m 8dm 3cm

CHHANNA

7

4	5km	8hm	9dam	2m	0dm	2cm			
5	25km	460m	8cm				6	21km	189m
7	511m	37cm					8	5km	949m 7cm
9	46km	288m	91cm				10	79km	487m 56cm

B

1	417km	2hm	0dam	2m	4dm	4cm			
2.	592km	7hm	9dam	8m	5dm	0cm			
3	185km	5hm	4dam	4m	3dm	4cm			
4	347km	9hm	9dam	7m	2dm	8cm			
5	1864km	2hm	3dam	5m	4dm	0cm			
6	489km	0hm	5dam	9m	3dm	5cm			
7	402km	9hm	5dam	3m	0dm	8cm			
8	832km	2hm	9dam	5m	7dm	5cm			
9	321km	191m	40cm				10	347km	75m 19cm
11	1516km	641m	16cm				12	316km	67m 75cm
13.	1837km	193m	65cm				14	252km	228m 32cm
15.	210km	372m	30cm				15	3190km	271m 4cm

CH

1	1km	3hm	0dam	1m	9dm	5 $\frac{1}{8}$ cm
2	1km	7hm	1dam	7m	6dm	5cm
3	3km	2hm	5dam	7m	3dm	8 $\frac{1}{8}$ cm
4	2km	1hm	8dam	1m	1dm	6 $\frac{1}{8}$ cm
5	2km	9hm	2dam	3m	0dm	1 $\frac{4}{7}$ cm
6	20km	838m	87cm			
7	13km	73 m	49cm	a	chuang	8
8	21km	16m	69cm		9	12km 51m 5cm
10	23km	110m	7cm		11	5km 25m 5cm

TIETUR XI

1	65km	17m	12cm	2	15km	60m	40cm	
3	63km	99cm		4	7km	993m	80cm	
5	9hm	5dam	4dm	2cm	6	54km	27m	90cm
7	30m	20cm		8	47km	20m	18cm	

CHHANNA

9

9	4m	10	1720cm	11	8m 16cm
10	4km 9hm	4dam	1m=2km	94	1m
13	2m 88 $\frac{3}{4}$ cm			14	200742

TITHUR XII

1	Rs 20 75p	2	Rs 11 80p	3	Rs 16 23p
4	Rs 15 09p	5	Rs 23 22p	6	Rs 13 20p
7	Rs 26 52p	8	Rs 45		

TIHTUR XIII

A

1	7500sec	2	25565sec	3	1599 0sec
4	919230sec	5	1783076sec	6	2290965sec

AW

1	91da	2	58da	3	34da	4	62da
5,	25da	6	89da	7	750da	8	1120da

B

1	264ha	2	228hr	3	412hr	4	1004hr
5	631hr	6	168hr	7	23 hr	8	372hr

CH

1	1hr 23min 20sec	2	2hr 44min 30sec
3	22hr 48min 38sec	4	19hrs 10min 40sec
5	97da 10hr 25min	6	5da 20hr
7	5da 4hrs	8	6da 12hr
9	1da 4hrs	10	2da 15hrs
11	3da 5hrs	12	3da 22hrs
13	12600sec	14	1440 min 86400sec
15	300hrs	16	4500 vawi

TIHTUR XIV

A

1	25min 39sec	7	18min 11sec
2	41min 10sec	8	31 min 28sec
3	13min 43sec	9	23min 56sec
4	45min 10sec	10	8min 59sec
5	45min 18sec	11	43min 54sec
6	7min 50sec	12	14min

AW

1	19hr 23min 38sec	10	6da 15hr 57min
2	14hr 41min 49sec	11	5da 1hr
3	21hr 24min 12sec	12	7da 8hr 15min
4	7hrs	13	5da 17hr 49min
5	20hr 24min 24sec	14	7da 11hr 30min
6	13hr 1min	15	6da 8hr 15min
7	24hr 40min 31sec	16	6da 22hr 8min
8	6hr 36min 40sec	17	5da 1hr 47min
9	5hr 55min 17sec	18	6da 14hr 33min

TIHTUR XV

A

1	11min	10sec
2	21min	26sec
3	28min	10sec
4	38min	22sec

5	16min	5sec
6	16min	13sec
7	78min	27sec
8	6min	18sec
9	22min	30sec

AW

1	2hr	17min	7sec
2	4hr	1min	52sec
3	1hr	32min	29sec

4	3hr	11min	26sec
5	1hr	32min	29sec
6	1hr	13min	5sec

B

1	24da	7hr	3min
2	17da	6hr	48min
3	4da	11hr	20min
4	1da	1hr	50min
5	2da	2hr	58min

6	2da	4hr	2min
7	2da	22hr	3min
8	2da	19hr	8min
9	1da	22hr	59min
10			22min

TIHTUR XVI

A

1	72min	36sec
2	81min	4sec
3	490min	56sec
4	127min	

5	262min	24sec
6	700min	16sec
7	328min	41sec
8	591min	56sec

1	4hr	18min	40sec	9	9hr	20min	18sec
2	15hr	45min	30sec	10	21hr	1min	40sec
3	127hr	33min		11	37hr	51min	30sec
4	19hr	27sec		12	37hr	35min	10sec
5	155hr	31min	52sec	13	27hr	11min	52sec
6	205hr	15min	54sec	14	9hr	6min	
7	59hr	7min	30sec	15	72hr	10min	
8	136hr	41min	12sec	16	104hr	48min	

THEUR XVII

A

1	5min	2sec	6	3min	8sec
2	5min	2sec	7	7min	13sec
3	8min	6sec	8	4min	7sec
4	8min	26sec	9	10min	6 $\frac{2}{3}$ sec
5	2min	8sec	10	7min	43sec

AW

1	4hr	5min	23sec	5	2hr	45min	45sec
2	5hr	50min	2sec	6	1hr	46min	34sec
3	2hr	37min	19sec	7	2hr	4min	28sec
	(a chuang 4)						
4	2hr	9min	1sec	8	1hr	17min	8sec

B

1	1da	18hr	3min	5	16hr	40min
2	1da	23hr	2min	4	4hr	1min

3 1da 9hr 1min

7 2da 8hr 58min

4 14hr 52min

8 6da 35hr

TIHTUR XVIII

1 17hr

2 7hr 13min 14sec

3 47hr 30min

4 2hr 47min 14sec

5 1da 9hr 25min

6 168hr

7 12min

8 7da 1h

TIHTUR XIX

1 (a) Kum naran

3 Rs 150

(b) Leap year

4 (a) ni 137

(c) Kum naran

(b) ni 116

(d) Kum naran

(c) ni 120

(e) Leap year

(d) ni 132

(f) Kum naran

5 16 Jan Phawlehni

2 Kum chanve hnu lam

1934

Kum naranah ni 3 in a tam

6 Ni 1561 (a tam ni

Leap year ah ni 2 in a tam

leh a tawp ni telu

TIHTUR XXI

A

2 $\frac{100}{100}$ $\frac{100}{100}$ $\frac{100}{100}$ emaw $\frac{8}{10}$ $\frac{1}{2}$ $\frac{3}{4}$

3 $\frac{1}{10}$ $\frac{7}{10}$ $\frac{13}{10}$ $\frac{9}{10}$ $\frac{23}{10}$

AW

2 $\frac{130}{100}$ $\frac{100}{100}$ $\frac{150}{100}$ $\frac{175}{100}$ emaw $\frac{23}{10}$ $\frac{4}{10}$ $\frac{3}{2}$ $\frac{7}{4}$

3 $\frac{14}{10}$ $\frac{17}{10}$ $\frac{123}{10}$ $\frac{201}{10}$ 4 $\frac{104}{100}$ $\frac{63}{10}$

B

1	50	25	12½	75	6 ½	90,	
2	500	100	50	25	75J	450	575
2.	25,	50,	80	70			

CH

2	½	½	¾	½
---	---	---	---	---

D

1.	⅞	⅞	1
----	---	---	---

E

1	⅞	¾	⅞
---	---	---	---

F

1	¾	¾	⅞	⅞	2,	⅞
---	---	---	---	---	----	---

G

1	¼	⅞	⅞	⅞	¼.
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TIHTUR XXII

B

1	Rs 1	30	4	Rs 4	10	7	Rs 1	64
2	88½p		5	Rs 3	12	8	Rs 3	90
3	10p		6	60p		9	20p	

AW

1	5 00	2	Rs 68	3	Rs 26	48
4	Rs 25 71½	5	Rs 96	6	Rs 720	
7	Rs 20 30	8	Rs 10 32			

B

1	Rs 5 150p	2	Rs 896	3	Rs 57
4	Rs 25 50	5	Rs 98	6	Rs 634 50
7	Rs 2 50	8	Rs 27		

CH

1	52kg	2	22k	3	656kg 1hg
4	1'00	5	20	6	48m
7	24km	8	ni 11	9	66
				10	160

TIHTUR XXIII

1	ni 9½	2	3 hapta or 21 ni	3	ni 6
4	ni 66 ½	5	15	6	ni 10
7	ni 13½	8	ni 13½	9	ni 1 ½
				10	ni 7½

TIHTUR XXIV

A

1	60 cmq	4	224dmq	7	140cmq
2	72cmq	5	120mq	8	28cmq
3	252cmq	6	280dmq	9	52065000cmq

AW

1	300dmq	3	384mq	6	480mq
2	192mq	4	400mq	7	156mq
		5	8280dm		

PRIMARY SCHOLARSHIP EXAM CHHANNA

1967

- 1 (1) Nuainga leh singhnih leh sangriat leh zathum
leh paruk (2) 90407
- 2 (1) XIX XXIV, LV, CXXV
(2) 17 29, 140 33
- 3 (1) 1 (2) 8084 (3) 1
- 4 Rs 1 82 5 384sq metres emaw Rs 465 90
- 6 $\frac{2}{3}$ $\frac{1}{8}$ $\frac{1}{8}$
- 7 (1) 1560 minutes (2) 2378 grams (3) Rs 679 35p
- 8 Rs 1127 emaw 4 10 9 5900 emaw Rs 2457 25
- 10 Rs 221 75

8968

- 3 Rs 125 98
- 2 (a) 200 (b) $\frac{1}{8}$ 4 Rs 12 50 4 Ni 3
emaw Rs 1000 5 825gram 000 Centimetre
80,000sq Centimetres
- 6 Rs 225 emaw 1896hr
- 7 Rs 142 emaw naupang 14
- 8 (a) 5 (b) $\frac{1}{8}$
- 3 Kg 17 emaw 12660

1969

- 1 Rs 139 15
- 2 (a) 480 (b) $\frac{1}{4}$
3. (a) 30 Centimetre (b) $\frac{13}{16}$ Darker

- (c) Rs 451 89 4 M1 56 $\frac{1}{4}$ Kum 99
 5 Naupang 76 Kaw 2 0 7 2 8 m1
 8 119868 gm 840 sq dm 9 13 $\frac{1}{2}$ darka1
 9km 370m 10 219 $\frac{1}{4}$ 18 54 180 kg 1hg 9dag 0gm

1970

- 1 Rs 97 95 2 43004 6007
 3 160 sec Hu eich he naupang 4 42767
 5 motor 10 Is 201 50
 6 8400sq dm einaw 84sq m 7 Is 9 84
 8 Lirtawp ni 16th Janu ry 9 (a) 21'2400 sec
 (h) 8kg 5hg 7dag 9gm (c) 40000 Centimetre
 10 (a) 5880 (b) $\frac{1}{4}$ or $\frac{1}{5}$ 11 (a) 38
 (b) 832km 2ha 7dam 8m 2dm 5cm

1971

- 1 R320 94 2 (1) 895 (2) $\frac{1}{4}$
 3 (1) 250gm (2) 300 000cm (3) 1hr 50min 54sec
 4 (a) $\frac{1}{3}$ (b) 38 (c) 52065000sq cm
 5 (a) 201km 4hm 7dam 6m 0dm 4cm
 (b) 12kg 6hg 8dag 3gm
 6 (a) Nuairiat leh Singruk leh sangkua leh zasarih leh
 sawmnga leh pali Maktaduaisarih leh singruk
 leh zariat leh pali
 (b) 58003, 600490 7 2 $\frac{1}{4}$ darkar 27m 0dm 3cm
 8 M1 12 9 Rs 224
 10 122 darkrr 30 min 37 kg

PRIMARY SCHOLARSHIP EXAM CHHANNA

1967

- 1 (1) Nuainga leh singbnih leh sangiat leh zathum
leh paruk (2) 90407
- 2 (1) XIX XXIV, LV, CXXV
(2) 17 29, 140 33
- 3 (1) 1 (2) 1084 (3) 1
- 4 Rs 1 82 5 384sq metres emaw Rs 465 90
- 6 $\frac{2}{3}$ $\frac{1}{8}$ $\frac{1}{8}$
- 7 (1) 1560 minutes (2) 2578 grams (3) Rs 679 35p
- 8 Rs 1127 emaw N1 10 9 5900 emaw Rs 2457 25
- 10 Rs 221 75

8968

- 8 Rs 125 98
- 2 (a) 200 (b) $\frac{1}{8}$ 3 Rs 12 50 4 N1 3
emaw Rs 1000 5 825gram, 000 Centimetre
30 000sq Centimetres
- 6 Rs 225 emaw 1896hr
- 7 Rs 142 emaw naupang 14
- 8 (a) 5 (b) $\frac{1}{8}$
- 9 Kg 17 emaw 12660

1969

- 1 Rs 139 15
- 2 (a) 450 (b) $\frac{1}{8}$
3. (a) 30 Centimetre (b) $\frac{1}{8}$ Darkai

- (o) Rs 451 89 4 M1 56 $\frac{1}{2}$ Kum 99
 5 Naupang 76 Kaw 2 0 7 2 8 m1
 8 119868 gm 840 sq dm 9 13 $\frac{1}{2}$ darkar
 9km 370m 10 219 $\frac{3}{4}$ 18 54 18E5kg 1hg 9dag 0gm

1970

- 1 Rs 97 95 2 43004 6007
 3 100 sec Hmerelhe naupang 4 42767
 5 motor 10 Rs 201 50
 6 8400sq dm emaw 84sq m 7 Ps J 84
 8 Zirtawp m 16th January 9 (a) 21⁰2400 sec
 (b) 8kg 5hg 2dag gm (c) 40000 Centimetre
 10 (a) 5880 (b) $\frac{1}{2}$ or $\frac{1}{4}$ 11 (a) 38
 (b) 832km 2hs 7dam 8m 2dm 5cm

1971

- 1 R320 94 2 (1) E95 (2) $\frac{1}{2}$
 3 (1) 250gm (4) 300 000cm (3) 1hr 56min 54sec
 4 (a) $\frac{2}{3}$ (b) 38 (c) 52065000sq om
 5 (a) 201km 4hm 7dam 6m 01m 4cm
 (b) 12kg 6hg 8dag 3gm
 6 (a) Nuairiat leh Singruk leh sangkua leh zasarih leh
 sawmnga leh pali Mahtaduwasarih leh singruk
 leh zariat leh pali
 (b) 58003, 600490 7 21 $\frac{1}{2}$ darkar 27m 0dm 8cm
 8 M1 12 9 Rs 224
 10 122 aarkrr 30 min 37 kg

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